

1.3.1 : Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Sr no	Programme Name	Course Code	Course Name	Crosscutting Issues Addressed
1	B.A English	F.Y. B.A.Sem-I Discipline Specific Course 1- English (A)	Reading Literature: Short Stories and Poems	Human Values
2	B.A English	F.Y. B.A. Sem-II Discipline Specific Course- English (B)	Reading Literature: Short Stories and Poems	Human Values
3	B.A English	S.Y.B.A. Sem. V. Compulsory English	English for Humanities	Human Values
4	B.A English	S.Y.B.A Sem. IV- Compulsory English	English for Humanities	Human Values
5	B.A English	S.Y.B.A. Semester – III DSE 1 A -	16th Century English Literature	Human Values
6	B.A English	S.Y.B.A. . Semester-IV DSE 1 B	17th Century English Literature	Human Values
7	B.A English	S.Y.B.A. Semester – III DSE 2 A	18th Century Literature	Human Values
8	B.A English	S.Y.B.A. Semester – IV DSE 2 B	19th Century Literature	Human Values
9	B.A English	S.Y.B.A. Semester – III DSC 1 C	The Study of Novel and Drama	Human Values
10	B.A English	S.Y.B.A. SEM: IV DSC 1 D-	The Study of Drama	Human Values
11	B.A English	T.Y. B.A. SEM –V DSE 3 ENG A	Twentieth Century English Literature	Human Values
12	B.A English	T.Y. B.A. SEM-VI DSE 3 ENG B	Twentieth Century English Literature	Human Values



13	B.A English	T.Y. B.A. SEM –V DSC ENG 1 E	Indian Writing in English	Human Values
14	B.A English	T.Y. B.A. SEM –VI DSC ENG 1 F	Indian Writing in English	Human Values
15	B.A English	T.Y. B.A. SEM –V GE Eng A	Film and Literature	Human Values
16	B.A English	T.Y. B.A. SEM –VI GE Eng B	Film and Literature	Human Values
17	B.A	F.Y. B.A.Sem-I MARG-111 (A) (Marathi)	Wangmay Prakarcha Abhyas (kadambari)	Human Values
18	B.A	F.Y. B.A.Sem-II MARG-121 (A) (Marathi)	Wangmay Prakarcha Abhyas (Kavya)	Human Values
19	B.A	S.Y.B.A. Semester – III MAR 231 A (Marathi)	Vaicharik Gadyalekhanacha Abhays	Human Values
20	B.A	S.Y.B.A. Semester – IV MAR 241 A (Marathi)	Charitra Atamchartira Lekhanacha Abhyas	Human Values
21	B.A	T.Y. B.A. SEM –V DSC Marathi E (Marathi)	Ekankika Lekhanacha Abhays	Human Values
22	B.A	T.Y. B.A. SEM VI DSC Marathi F (Marathi)	Lalit Gadya Lekhanacha Abhays	Human Values
23	B.A Economics	S.Y.B.A. Semester – III DSC Eco 231 C	INDIAN ECONOMY SINCE 1980-I	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
24	B.A Economics	S.Y.B.A. Semester – IV DSC Eco 241 D	INDIAN ECONOMY SINCE 1980-II	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL



				AWARENESS
25	B.A Economics	T.Y.B.A. Semester – V DSC-1(E)- Eco-351	Indian Economy Since 1980 –III	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
26	B.A Economics	T.Y.B.A. Semester – VI DSC-1(F)- Eco-361	Indian Economy Since 1980 –IV	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
27	B.A	F.Y. B.A.Sem-I POL-G-101- A (Political Science)	Introduction to Indian Constitution	HUMAN VALUES/GENDER SENSITIZATION & EQUITY
28	B.A	F.Y. B.A.Sem-II POL-G- 201-(A) (Political Science)	Introduction to Indian Constitution	HUMAN VALUES/GENDER SENSITIZATION & EQUITY
29	B.A	S.Y.B.A. Semester – III DSC – 1C (Political Science)	Introduction to Local and District Administration of Maharashtra	HUMAN VALUES/GENDER SENSITIZATION & EQUITY
30	B.A	S.Y.B.A. Semester – IV DSC –1D (Political Science)	Introduction to Local and District Administration of Maharashtra	HUMAN VALUES/GENDER SENSITIZATION & EQUITY
31	B.A	T.Y.B.A.Semester V DSC-1 E (Political Science)	Indian Political Thinker - I	HUMAN VALUES/GENDER SENSITIZATION & EQUITY
32	B.A	T.Y.B.A.Semester VI DSC-1 F (Political Science)	Indian Political Thinker - II	HUMAN VALUES/GENDER SENSITIZATION & EQUITY
33	B.A. GEOGRAPHY	S.Y.B.A. SEMESTER- III Gg. 232 (DSE 1 A):	GEOGRAPHY OF TOURISM	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
34	B.A. GEOGRAPHY	S.Y.B.A. SEMESTER- IV DSC-D (Gg. 241)	HUMAN GEOGRAPHY	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
35	B.A. GEOGRAPHY	T.Y.B.A. Sem.: V	Environmental	HUMAN VALUES/GENDER SENSITIZATION



		Gg. 351 (DSC 1E)	Geography	& EQUITY/ENVIRONMENATAL AWARENESS
36	B.A. GEOGRAPHY	T.Y.B.A. Sem.: V Gg. 352 (DSE 3A)	Economic Geography	HUMAN VALUES/GENDER SENSITIZIATION & EQUITY/ENVIRONMENATAL AWARENESS
37	B.A. GEOGRAPHY	T.Y.B.A. Sem.: V Gg. 353 (DSE 4A)	Practical in Human Geography and Geo-Statistics.	HUMAN VALUES/GENDER SENSITIZIATION & EQUITY/ENVIRONMENATAL AWARENESS
38	B.A. GEOGRAPHY	T.Y.B.A. Sem.: VI Gg. 361 (DSC 1F)	Population Geography.	HUMAN VALUES/GENDER SENSITIZIATION & EQUITY/ENVIRONMENATAL AWARENESS
39	B.A.	F.Y.B.A.Semester- I CCPSY-I (PSYCHOLOGY)	Foundations Of Psychology (Psy-101)	SOCIAL EQUITY / HUMAN VALUES / GENDER SENSITIZIATION & EQUITY
40	B.A.	F.Y.B.A.Semester- II CCPSY-I (PSYCHOLOGY)	Introduction To Social Psychology (Psy- 201)	SOCIAL EQUITY / HUMAN VALUES / GENDER SENSITIZIATION & EQUITY
41	B.A.	S.Y.B.A. SEMESTER- III DSC- C (PSYCHOLOGY)	Human Developmental Psychology- Early Life (PSY 231 C)	SOCIAL EQUITY / HUMAN VALUES / GENDER SENSITIZIATION & EQUITY
42	B.A.	S.Y.B.A. SEMESTER- IV DSC- D (PSYCHOLOGY)	Human Developmental Psychology- Later Life (PSY - 241 D)	SOCIAL EQUITY / HUMAN VALUES / GENDER SENSITIZIATION & EQUITY
43	B.A.	T.Y.B.A. SEMESTER- V DSC-2E (PSYCHOLOGY)	Management of Interpersonal Relations (PSY 351)	SOCIAL EQUITY / HUMAN VALUES / GENDER SENSITIZIATION & EQUITY
44	B.A.	T.Y.B.A. SEMESTER- VI DSC-2F (PSYCHOLOGY)	Adjustment in life span (PSY 361)	SOCIAL EQUITY / HUMAN VALUES / GENDER SENSITIZIATION & EQUITY



45	B.Com	F. Y. B.Com. SEMESTER: I 102 b (Marathi)	Local Language	HUMAN VALUES / PROFESSIONAL ETHICS
46	B.Com	F. Y. B.Com SEMESTER: II 202 b (Marathi)	Local Language	HUMAN VALUES / PROFESSIONAL ETHICS
47	B.Com	F. Y. B.Com SEMESTER: I 106 a (Modern office Management)	Modern office Management	PROFESSIONAL ETHICS
48	B.Com	F. Y. B.Com SEMESTER: II 206 a (Modern office Management)	Modern office Management	PROFESSIONAL ETHICS
49	B.Com	S.Y. B.Com SEMESTER III 306 (a) (Business Entrepreneurship)	Business Entrepreneurship	PROFESSIONAL ETHICS
50	B.Com	S.Y. B.Com SEMESTER IV 406 (a) (Business Entrepreneurship)	Business Entrepreneurship	PROFESSIONAL ETHICS
51	B.Com	T.Y.B.Com Semester V 501 (Indian Economic Scenario)	Indian Economic Scenario	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
52	B. Com.	T.Y.B.Com Semester V 505 a (Human Resource Management)	Human Resource Management	PROFESSIONAL ETHICS
53	B.Com.	T.Y. B.Com. SEMESTER V 507 b (Advanced Cost and Management Accounting)	Advanced Cost and Management Accounting - II	PROFESSIONAL ETHICS
54	B.Com	T.Y. B.Com. SEMESTER VI 601 (Indian Economic Scenario)	Indian Economic Scenario	HUMAN VALUES/GENDER SENSITIZATION & EQUITY/ENVIRONMENATAL AWARENESS
55	B. Com.	T. Y. B. Com. Semester- VI 605 a (Human Resource Management)	Human Resource Management	PROFESSIONAL ETHICS



56	B. Sc.	F. Y. B. Sc.Semester I AEC - B (Marathi)	Katha ani sanvad kaushalye yancha abhays	Human Values
57	B. Sc.	F. Y. B. Sc.Semester II AEC – B (Marathi)	Katha ani sanvad kaushalye yancha abhays	Human Values
58	B. Sc.	S. Y. B. Sc. Semester III MAR-231 (Marathi)	Lalit vadmay – Katha	Human Values
59	B. Sc.	S. Y. B. Sc. Semester IV MAR-241 (Marathi)	Natak	Human Values
60	B.Sc.	F.Y.B.Sc. Semester I Bot- 101 Paper I (Botany)	Microbial Diversity, Algae & Fungi	ENVIRONMENT AND SUSTAINABILITY
61	B.Sc.	F.Y.B.Sc. Semester I Bot- 102 Paper II (Botany)	Plant Taxonomy	ENVIRONMENT AND SUSTAINABILITY
62	B.Sc.	F.Y.B.Sc. Semester II Bot- 202 Paper II (Botany)	Plant Ecology	ENVIRONMENT AND SUSTAINABILITY
63	B.Sc.	F.Y.B.Sc Semester I A-I ZOO 101 (Zoology)	ANIMAL DIVERSITY I	BIODIVERSITY OF INVERTEBRATE ANIMALS AND THEIR CONSERVATION
64	B.Sc.	F.Y.B.Sc Semester I A-I ZOO 102 (Zoology)	ANIMAL DIVERSITY II	BIODIVERSITY OF INVERTEBRATE ANIMALS AND THEIR CONSERVATION
65	B.Sc.	FYBSc Semester II A-II ZOO 201: (Zoology)	COMPARATIVE ANATOMY OF VERTEBRATES	BIODIVERSITY OF INVERTEBRATE ANIMALS AND THEIR CONSERVATION
66	B.Sc.	FYBSc Semester II A-II ZOO 202 : (Zoology)	DEVELOPMENTAL BIOLOGY OF VERTEBRATES	BIODIVERSITY OF INVERTEBRATE ANIMALS AND THEIR CONSERVATION
67	B.Sc.	S.Y.B.Sc Semester III ZOO 301 (Zoology)	PHYSIOLOGY	MEDICAL DIAGNOSTIC METHODS



68	B.Sc.	S.Y.B.Sc Semester III ZOO 302 (Zoology)	BIOCHEMISTRY	MEDICAL DIAGNOSTIC METHODS
69	B.Sc.	S.Y.B.Sc Semester IV ZOO 401 (Zoology)	GENETICS	MEDICAL DIAGNOSTIC METHODS
70	B.Sc.	S.Y.B.Sc Semester IV ZOO 402 (Zoology)	EVOLUTIONARY BIOLOGY	MEDICAL DIAGNOSTIC METHODS
71	B.S.c Physics	Semester V: (SEC): Physics paper V PHY 505	Solar energy and applications	ENVIRONMENTAL AWARENESS & SUSTAINABILITY
72	B.S.c Chemistry	Semester V CH-506(B)	Green Chemistry	ENVIRONMENTAL AWARENESS & SUSTAINABILITY
73	B.S.c Chemistry	Semester V CH-504	Industrial Chemistry	ENVIRONMENTAL AWARENESS & SUSTAINABILITY
74	Certificate course in GST	Paper I	Introduction to GST	PROFESSIONAL ETHICS
75	Certificate course in GST	Paper II	Procedural Aspects of GST	PROFESSIONAL ETHICS
76	B.A, B.Com, B.S.c	5555	Environmental Studies	ENVIRONMENTAL AWARENESS & SUSTAINABILITY




PRINCIPAL
 Shri Vitthalrao Shankarrao Naik
 Arts, Commerce & Science College,
 Raver, Dist-Jalgaon-425508

NSS STUDENTS PERFORMING PATH DRAMA ON GENDER EQUALITY



TREE PLANTATION IN COLLEGE CAMPUS



TAKING GREEN OATH



CAMPUS CLEANING BY NSS STUDENTS



TAKING SANVIDHAN OATH



TAKING SANVIDHAN OATH



CELEBRATING DR BABASAHEB AMBEDKAR JAYANTI



J {



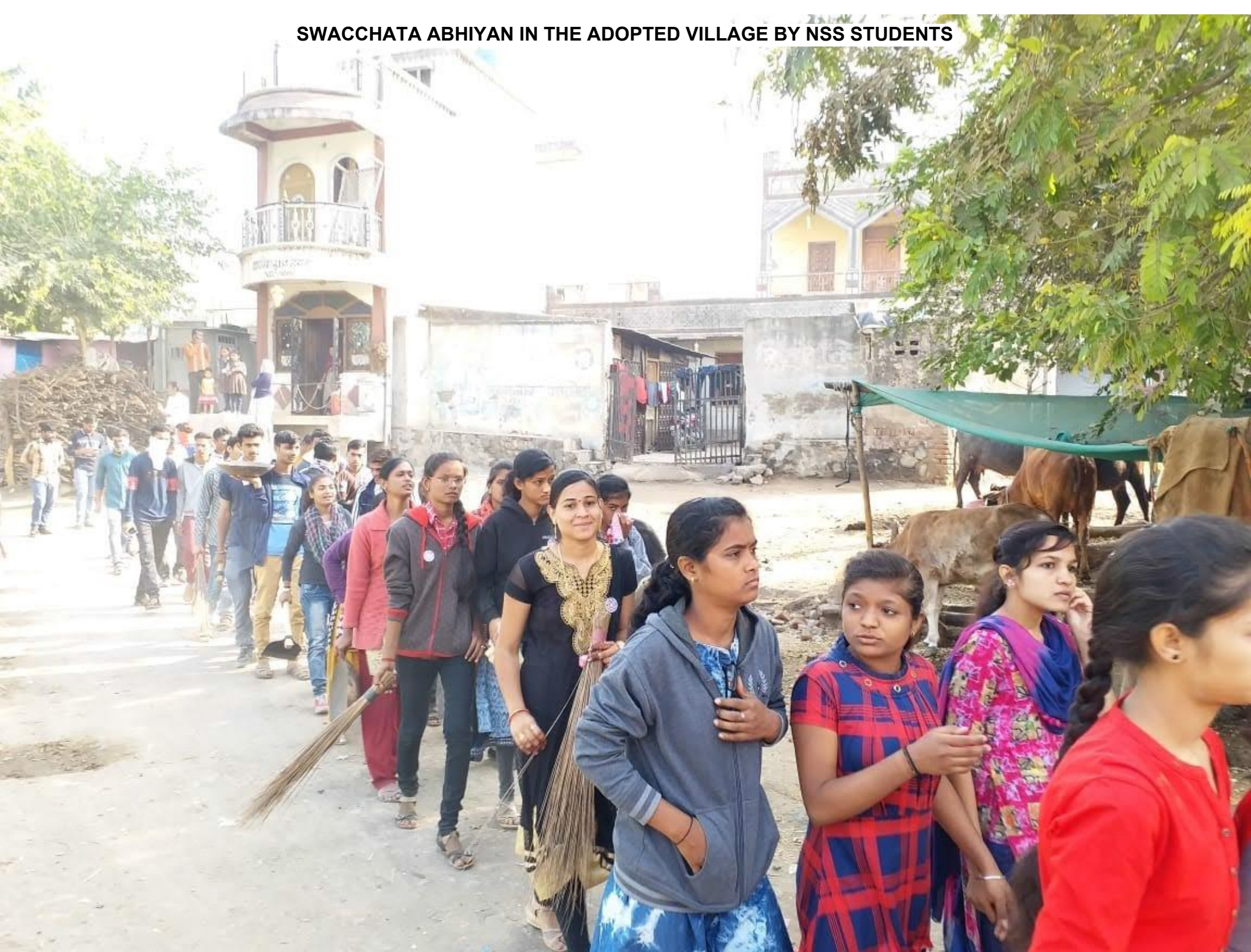
SWACCHATA ABHIYAN IN THE ADOPTED VILLAGE BY NSS STUDENTS



SWACCHATA ABHIYAN IN THE ADOPTED VILLAGE BY NSS STUDENTS



SWACCHATA ABHIYAN IN THE ADOPTED VILLAGE BY NSS STUDENTS



SWACCHATA ABHIYAN IN THE ADOPTED VILLAGE BY NSS STUDENTS



NSS STUDENTS PERFORMING PATH DRAMA ON GENDER EQUALITY



NSS STUDENTS PERFORMING PATH DRAMA ON ADDICTION FREE SOCIETY



LECTURES ON SAVE DAUGHTER LITERATE DAUGHTER



LECTURES ON PERSONALITY DEVELOPMENT FOR GIRLS STUDENTS

1 - ...

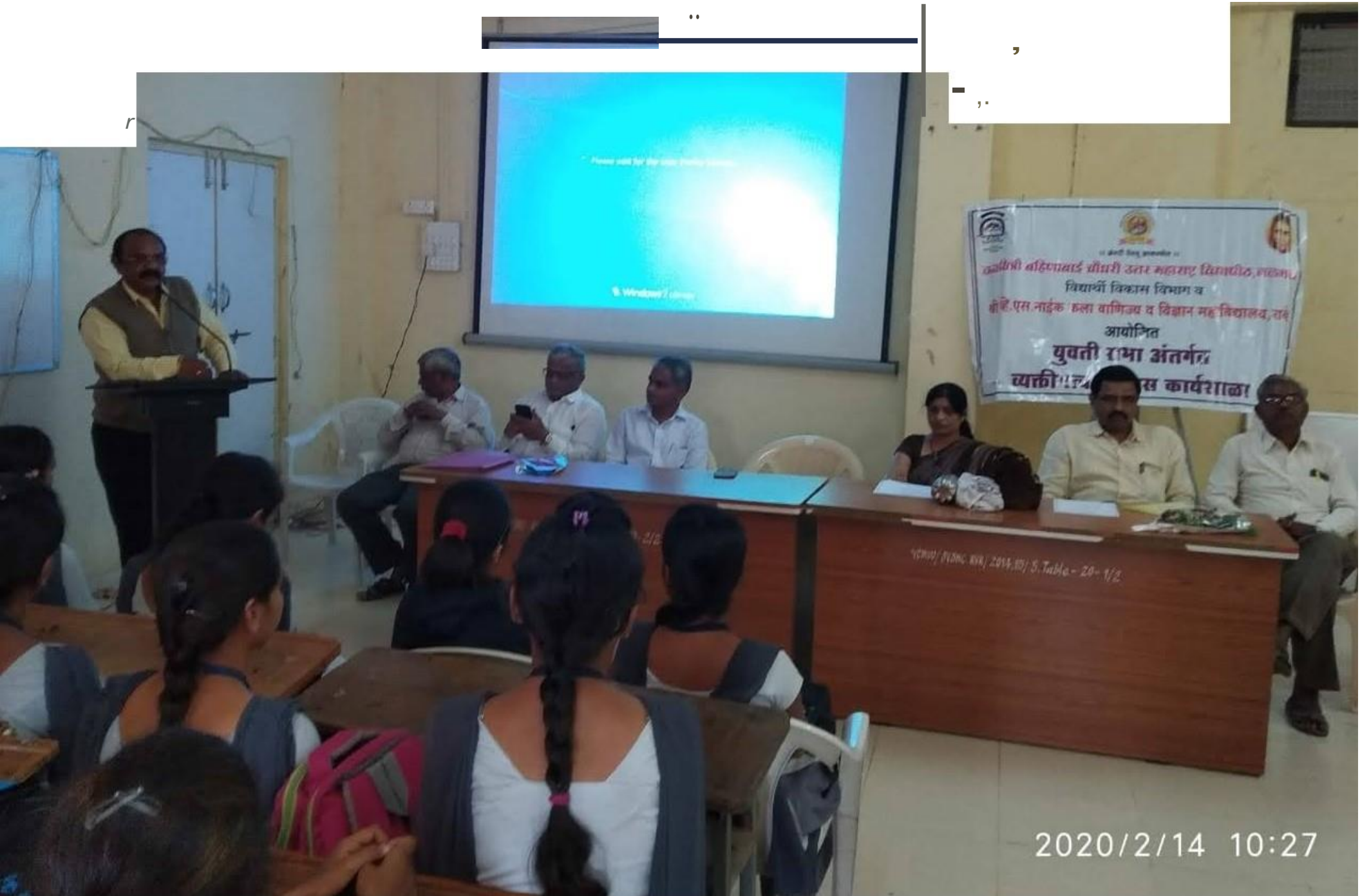


TRAINING ON SELF DEFENCE FOR GIRLS STUDENTS



2020/2/8 08:27

LECTURES ON PERSONALITY DEVELOPMENT FOR GIRLS STUDENTS



2020/2/14 10:27

BLOOD DONATION CAMP IN COLLEGE CAMPUS



BLOOD DONATION CAMP IN COLLEGE CAMPUS





वनांचल समृद्धी अभियान

वसा
सामुहिक वनांचल अभियान
महाराष्ट्राच्या नवनवले शाळांच्या
कमळ व शाळात विद्यार्थ्यांची वाढ...

LECTURES ON SAVE FOREST

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सामुहिक वनांचल अभियान



YCMOU

FREE MEDICAL CHECK-UP FOR STUDENTS



PLASTIC COLLECTION IN COLLEGE CAMPUS



AIDS AWARENESS PROGRAMME



FIELD VISIT BY CHEMISTRY STUDENTS



Latitude:20.947582
Longitude: 75.554224
Accuracy: 26.4m
Time:06-02-2020 13:03

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CELEBRATING SCIENCE DAY

Ni1lrnr1.il
Science

28 Feb 2022



S.Chetan Kumar
62XW+VWR, Raver rural, Maharashtra 425508, India
21°14'58", 76°2'50", 194.7m, 300°
28/02/2022 9:51:19 AM

COVID VACCINATION CAMP



श्री. विठ्ठलराव शंकरराव नाईक कला, वाणिज्य आणि विज्ञान महाविद्यालय रावेर, जि.जळगाव

राष्ट्रीय सेवा योजना व विद्यार्थी विकास विभाग

श्री. उद्धव ठाकरे
मुख्यमंत्री, महाराष्ट्र राज्य

विद्यालयीन विद्यार्थ्यांसाठी
ऑक्टोबर ते २ नोव्हेंबर २०२०
वेळ : सकाळी १० ते १२ वाजेपर्यंत

ONLINE LECTURE ON READING DAY



News



TREE PLANTATION IN COLLEGE CAMPUS

Raver Parisar Shikshan Prasarak Mandal's



**SHRI. V. S. Naik Arts, Commerce & Science
College Raver, Dist- Jalgaon (M.S.) 425508**

6. Tree Planting Programme :



CELEBRATING DR A P J ABDUL KALAM JAYANTI

Programme Inaugural Photo



TAKING SANVIDHAN OATH

Raver Parisar Shikshan Prasarak Mandal's



**SHRI. V. S. Naik Arts, Commerce & Science
College Raver, Dist- Jalgaon (M.S.) 425508**

10. Sawidhan Day Celebration



रावेर --येथील श्री. व्ही. एस. नाईक
महाविद्यालयात 71 व संविधान दिन
साजरा



Sandeep Dhapse 26/11/2020
to sw



रावेर येथील श्री. व्ही. एस. नाईक कला वाणिज्य व विज्ञान
महाविद्यालयात 71 वा संविधान दिन साजरा करण्यात आला या
प्रसंगी सुरवातीला महाविद्यालयाचे प्राचार्य डॉ पी व्ही दलाल यांच्या
हस्ते डॉ बाबासाहेब आंबेडकर यांच्या प्रतिमेस माल्यार्पण करण्यात
आले या वेळी प्राचार्य दलाल यांनी भारतीय संविधानाचे लोकशाही
च्या विकासातील महत्व विशद केले तर संविधानाच्या उद्देशपत्रिकेचे
वाचन केले तर प्रमुख उपस्थिती आय कुय एस सी समन्वय डॉ एस
आर चौधरी, ग्रंथपाल डॉ बी जी मुख्यदल कार्यालयीन प्रमुख युवराज
बिरपन्न होते या कार्यक्रमास महाविद्यालयातील प्राध्यापक व
शिक्षक कर्मचारी हजर होते

या कार्यक्रमाचे प्रास्ताविक आणि सूत्रसंचालन विद्यार्थी विकास
अधिकारी प्रा.एस .डी. धापसे यांनी केले



IMG-20201...A0098.jpg



TAKING GREEN OATH

Raver Parisar Shikshan Prasarak Mandal's



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11. Harith Shapath 11/01/2021



Harith shapath 11/01/2021



MARATHI LANGUAGE PRESERVATION PROGRAMME

Raver Parisar Shikshan Prasarak Mandal's
SHRI. V. S. Naik Arts, Commerce & Science
College Raver, Dist- Jalgaon (M.S.) 425508

12. Marathi Bhasha Sanwardhan Pandharwada (23-Jan-2021)



Photo



MARATHI LANGUAGE GOURAV DAY

Raver Parisar Shikshan Prasarak Mandal's



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13.Marathi Bhasha Gourav Din





Marathi Bhasha Gaurav Din-27 Feb.2021



CELEBRATING SHIVRAJYABHISHEK CEREMONY

Raver Parisar Shikshan Prasarak Mandal's



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14. Celebration Of Shivrajya Abhishek Sohala 06/06/2021





Raver Parisar Shikshan Prasarak Mandal's

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15.One Day Online National Yoga (17-Jun-2021)

लोकमत

न्यूज inbox

‘योग’वर राष्ट्रीय वेबिनार उत्साहात

जळगाव : येथील रावेर परिसर शिक्षण प्रसारक मंडळाचे विठ्ठलराव शंकरराव नाईक कला, वाणिज्य व विज्ञान महाविद्यालय आणि जिल्हा हौशी योग संघटनेच्या संयुक्त विद्यमाने योग आणि आभासी योग या विषयावर एकदिवसीय राष्ट्रीय वेबिनार आयोजित करण्यात आले होते. यावेळी महाराष्ट्र योग संघटनेच्या अध्यक्षा प्रा.डॉ.अनिता पाटील यांनी मार्गदर्शन केले. प्रा.डॉ.दिनेश पाटील हे यावेळी प्रमुख पाहुणे म्हणून उपस्थित होते. अध्यक्षस्थानी प्राचार्य डॉ.पी.व्ही. दलाल, सिनेट सदस्य प्रा.अनिल पाटील, डॉ.जी.आर .ढेंबरे, क्रीडा संचालक प्रा.उमेश पाटील, प्रा.डॉ.एस.आर.चौधरी, प्रा.एस.डी. धापसे, प्रा.एम.डी. तायडे, डॉ.बी.जी.मुख्यदल उपस्थित होते.

Hello Jalgaon
Page No. 4 Jun 20, 2021
Powered by: erelego.com



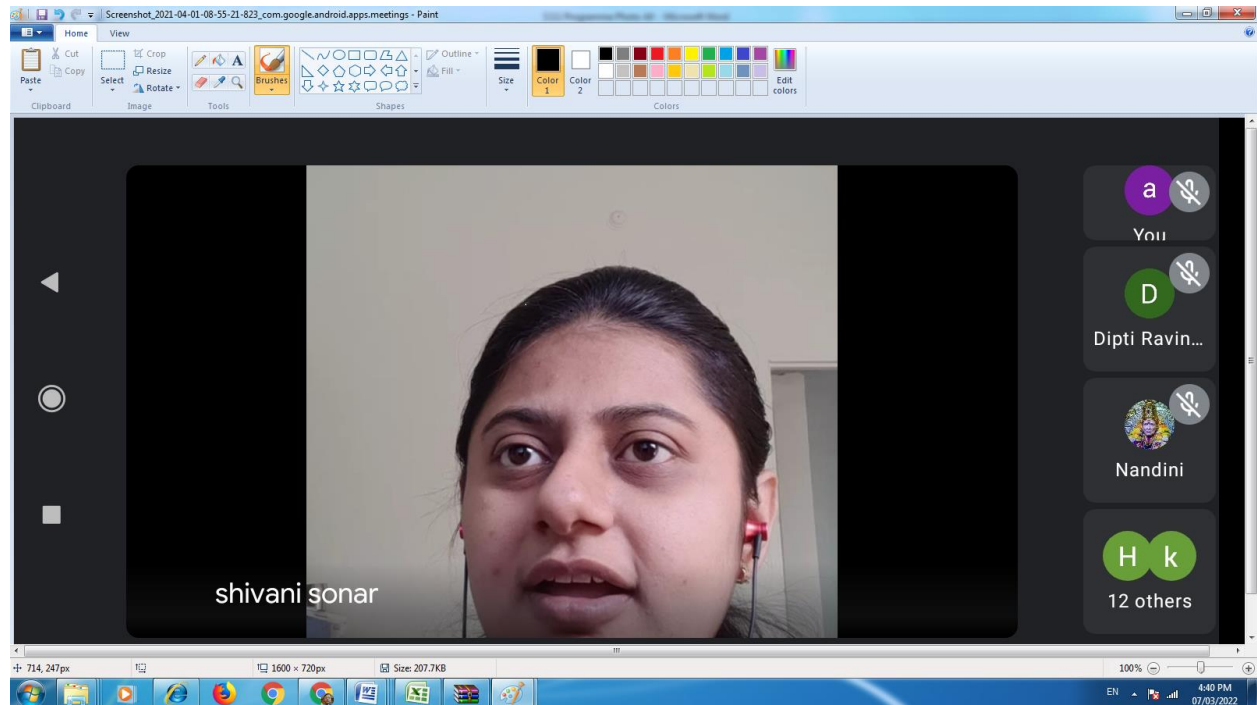
ONLINE LECTURE ON AWARENESS OF COVID-19

Raver Parisar Shikshan Prasarak Mandal's



**SHRI. V. S. Naik Arts, Commerce & Science
College Raver, Dist- Jalgaon (M.S.) 425508**

18. Awareness of COVID-19 for TYBsc (31/03/2021)



The screenshot shows a Zoom meeting window. The title bar reads "Screenshot_2021-04-01-08-55-21-823_com.google.android.apps.meetings - Paint". The Zoom toolbar is visible at the top, including options for Home, View, Copy, Paste, Crop, Resize, Rotate, and various drawing tools. The main video area shows a woman with dark hair, identified as "shivani sonar". To the right, a list of participants is shown: "You", "Dipti Ravin...", "Nandini", and "H k" with "12 others" below. The Windows taskbar at the bottom shows the system tray with the date "07/03/2022" and time "4:40 PM".



ONLINE LECTURE ON AWARENESS OF COVID-19

The screenshot shows a Google Meet session on a Windows desktop. The main content is a presentation slide titled "कोविड-19 चिकित्सेमध्ये आहाराबद्दल मार्गदर्शक सूचना" (COVID-19 Treatment Guidelines on Food). The slide is in Marathi and includes the following text:

- भुक्त बाढवण्यासाठी जेवणासाठी 15-20 मिनीटे आत्पाचा तुकडा आणि सैधव खावे.
- पचण्यास हलका आहार घ्यावा जसे की:
 - मूग (डाक / अखळे) पाचे सूप
 - भाज्यांचे सूप
 - मूगडाळीची खिचडी
 - फुलके + सूप
 - भाज्या - भापळा, भेडी इत्यादी
 - मसाल्याचे पदार्थ: जिरे, काळे भिरे, लसूण, कोथिंबीर, ओवा , आले
- जर भुक्त आणि पचन चांगले सुधारले तर सामान्य आहार घ्यावा आणि आहाराची मात्रा भुक्त नुसार ठरवावी

The slide also features the PDEA logo and a page number of 27/39. The meeting interface shows a participant named Shivani Sona and a list of other participants including You, Vrushali, Jyotsna, and 29 others. The Windows taskbar at the bottom shows the time as 4:40 PM on 07/03/2022.



F.Y. B. A. Syllabus for English

CBCS Pattern - w.e.f. June 2018

Core Course - Discipline Specific Course 1- English (A) and (B)

Title of the Paper-Reading Literature: Short Stories and Poems

Features of the Course-

1. This, being discipline specific course invites the students to know about the treasure of English literature
2. The Course introduces two basic forms of literature- short story and poem which are very near and dear to every human heart.
3. As per the guidelines of CBCS, this course contains the simple stories and poems. The prescribed texts not only meet the primary function of literature i. e. entertainment but also the secondary function of value inculcation.
4. The course will enhance the skills of appreciation and creativity of the students.

Outcome of the Paper –

1. The course will introduce the basic forms of literature to the students.
2. The course will develop the liking of reading in the students.
3. The course will inspire students to develop their creative ability.
4. Consequently, the course will develop reading skill and creative and expressive ability of the students.



Prerequisite-

1. The teachers are suggested to inform the students to read more about the story writers and the poets.
 2. The teachers can take help of video clips to explain the stories and poems to the students.
 3. The teachers can inspire the students to listen the audio clips of the poems and stories available on the net.
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Core Course- Discipline Specific Course- English for F.Y. B.A. Title of the Paper- Reading Literature: Short Stories and Poems

3 Credits

External- 60 marks

Internal- 40 marks

Objectives-

1. To introduce the students with the idea of English literature
2. To acquaint the students with the broader genres of literature in general
3. To acquaint the students with the particular genres of literature- short story and poem
4. To develop understanding of literature and reading skill of the students through literature.

Sem. I – DSC 1 (A) Reading Literature: Short Stories

Unit 1- Short Story- Definitions and Nature

Unit 2- Types of short story- fables, parables, character sketch, anecdotes

Unit 3- Aspects of short story

Unit 4- Short story-



1. 'The Gift of the Magi' - O' Henry
2. 'The Lost Child' – Mulk Raj Anand
3. 'The Happy Prince' - Oscar Wild
4. 'An Astrologer's Day' – R.K. Narayan

Sem. II- DSC 1 (B) Reading Literature: Poems

Unit 1 – Poetry- Definitions and elements

Unit 2- Types of Poetry- Lyric, Sonnet, Elegy, Ode

Unit 3- Poems- Lyrics and sonnets-

1. 'Bright Star Would I steadfast as Thou Art' - John Keats
2. 'Blow, Blow Thou Winter Wind' - William Shakespeare
3. 'On His Blindness' - John Milton
4. 'Death Be Not Proud' - John Donne

Unit 4 – Elegy and Ode-

1. 'Elegy Written in Country Church Yard' - Thomas Gray
2. 'On My First Sonne' - Ben Johnson
3. 'Ode to the West Wind' - P.B. Shelley
4. 'Dejection; An Ode' - S. T. Coleridge

Questions Paper Format for Sem. I-

- | | |
|--|----------|
| Q1. MCQ on Unit 1 and 2- | 12 marks |
| Q2. MCQ on Unit 2 and 3- | 12 marks |
| Q3. Write answers in 80 words (any 2 out of 4) on short stories- | 12 marks |
| Q4. Write answers in 80 words (any 2 out of 4) on short stories- | 12 marks |
| Q5. Write Short notes on short stories (any 4 out of 6) – | 12 marks |



S.Y.B.A. Compulsory English

Text- English for Humanities

External – 60 marks

Internal- 40 marks

Semester-III-

Credits -03 (45 clock hours)

Unit 1 – Literature

1) Short Stories:

1. The Lady or a Tiger?: Frank R. Stockton
2. Kabuliwala: Rabindranath Tagore

II) Essays:

1. Spoken English, Broken English: G. B. Shaw
2. Modern Improvements: John Ruskin

III) Poems:

1. A Red Red Rose: Robert Burns
2. All the world's a Stage: William Shakespeare

Unit 2 - Word Formation

1. Affixation
2. Compound Words

Unit 3 - Skills in writing

1. SMS
2. E-Mail
3. Net Lingo



Unit 1 - Literature

I) Short Stories:

1. Salt Inspector: Premchand
2. All About a Dog: A. G. Gardiner

II) Essays:

1. The Power of Prayer: A. P. J. Abdul Kalam
2. Values in Life: Rudyard Kipling

III) Poems:

1. Stopping by Woods On a Snowy Evening: Robert Frost
2. Ozymandias: P. B. Shelley

Unit 2 - Grammar

1. Sentences: Kinds and Functions
2. Clauses (Noun Clause, Adverbial Clause)

Unit 3 - Communication Skills

1. Situational Dialogues
2. Small News Writing
3. Information Transfer: Non-verbal, Verbal



S.Y.B.A.

DSE 1 A and B (Equivalent to S-I)

Title: 16th and 17th Century English Literature

External- 60 marks

Internal- 40 marks

Credit Points- 03 (45 clock hours)

OBJECTIVES:

1. To acquaint the students with the major literary trends and tendencies and prominent writers of the 16th and 17th Century English Literature.
2. To make the students aware about the literary history, salient features and socio-cultural background of the period.
3. To help the students to grasp the content and critically appreciate the prescribed texts.
4. To inculcate amongst students a liking for the Elizabethan and Post-Shakespearean literature.

Semester – III- DSE 1 A- 16th Century Literature

Prescribed Units

(i) Growth and development of Drama and Poetry in the 16th century.

(ii) Poetry:

A) John Donne: a) Good Morrow, b) The Dream

B) Edmund Spenser: a) Ice and Fire, b) Mutability

C) Philip Sidney: a) Sleep, b) Reason

(iii) Drama:

***The Merchant of Venice* by William Shakespeare**



Semester - IV – DSE 1 B- 17th Century Literature-

Credits- 03 (45 clock hours)

Prescribed Units

(i) Growth and development of Novel and Essay in the 17th century.

(ii) Essays:

A) Francis Bacon: a) Of Studies,

b) Of Anger,

c) Of Unity In Religion

B) Jonathan Swift: a) A Treatise on Good Manners and Good Breeding

b) Hints Towards an Essay on Conversation

c) Of the Education of Ladies

(iii) Novel:

Pilgrim's Progress by John Bunyan

Recommended Reading:

1. B. K. Mullik: (1964) *English Poetry (Its Background and Development)*: S. Chand & Co.

2. H. M. Williams & George Allen, (1972): *Six Ages of English Poetry*

3. Helen Gardner: (1973) *The Metaphysical Poets*: Penguin Books Ltd.

4. David Greene: *The Winged World: An Anthology of Poems for Degree Course*: The Macmillan Co. of India Ltd.



Semester – IV DSE 2 B- (19th Century Literature)- Credits- 03 (45 clock hours)

Prescribed Units

- (i) **Background study of Poetry and Novel of the 19th Century literature.**
- (ii) **Alfred Lord Tennyson: The Lotus Eaters**
- (iii) **Robert Browning: Rabbi Ben Ezra**
- (iv) **Matthew Arnold: Dover Beach**
- (v) **D G Rossetti: The Blessed Damozel**
- (vi) **G M Hopkins: Pied Beauty**
- (vii) **Thomas Hardy: *Tess of the d'Urbervilles*.(Novel)**

Recommended Reading:

1. H. M. Williams & George Allen, (1972): *Six Ages of English Poetry*
2. David Greene: *The Winged World: An Anthology of Poems for Degree Course*. The Macmillan Co. of India Ltd.
3. Mayhead Robin: (1965) *Understanding Literature*. Cambridge Univ. Press.
4. W.R. Goodman: (2006) *History of English Literature*. Doaba House Delhi
5. Victorian Poetry: (1988) *A Selection, Macmillan's Annotated Classics- V S Seturaman*
6. E Albert: (1997) *History of English Literature*. Oxford Univ. Press.
7. *Fifteen Poets*: (1994) Oxford University Press, Delhi.
- 8 Jane Austen: (2008) *Sense and Sensibility*, Oxford Uni. Press, 2008.
9. Thomas Hardy:() *Tess of the d'Urbervilles*. Orient Blackswan, 2014.



DSC 1 C (equivalent to Sp. English -General Paper II)

The Study of Novel and Drama

External- 60 marks

Internal- 40 marks (practical)

Total credits- 02- Theory- 01 credit (15 clock hours).

Practical – 01 credit is equal to 02 (30 clock hours)

SEM: III- DSC 1 C The Study of Novel

Objectives:

1. To develop the interest of students in reading/understanding novel and drama.
2. To acquaint students with Novel and Drama as genres of literature.
3. To develop students' competence to study, understand, analyse and interpret novel and drama.
4. To introduce students with the key terms useful in the study of novel and drama.
5. To orient students with major types of novel and drama.

Unit 1 A) Definitions of Novel

B) Aspects of Novel (only Introduction):

Plot, Characters (Flat, Round, Hero, Anti-hero), Theme, Setting, Point of view and Narration.

C) Types of Novel: Social, Historical, Picaresque, Psychological

D) Novel- *Passage to India*- E. M. Forster



SEM: IV – DSC 1 D- The Study of Drama

Total credits- 02- Theory- 01 credit (15 clock hours).

Practical – 01 credit is equal to 02 (30 clock hours)

Unit 1 A) Definitions of Drama

B) Elements of Drama (only Introduction):

Plot, characters (protagonist, Antagonist), setting, dramatic devices (music, symbolism, parallelism and contrast, Irony)

C) Types of Drama: Tragedy, Comedy, Problem Play, Absurd Drama

D) Drama- *Arms and The Man*- G. B. Shaw

Recommended Reading:

1. Abrahms, M. H. *A Glossary of Literary Terms*. Banglore: Prism Books Pvt. Ltd.1993.
2. Bonn, Julien D. ed. *A Comprehensive Dictionary of Literature*. Chandigarh: Abhishek Publications, 2004.
3. Boulton, M. *The Anatomy of Novel*. London: Routledge and Kegan Paul Ltd. 1975.
4. Cuddon, J. A. *A Dictionary of Literary Terms and Literary Theory* (IVth edition). Delhi: Doaba House, 1998.
5. Davies Tony & Nigel Wooded., *A Passage to India: Theory in Practice*, Philadelphia, Open University Press, 1994.
6. Evans. T. F. *George Bernard Shaw*. Routledge, 2013.
7. Forster E. M. *Aspects of Novel*. New York: Hartcourt Brace, 1927.
8. Hoy, Cyrus. *Forster's Metaphysical Novel*. New Delhi: Creative Books, 2001.
9. Innes, Christopher. *The Cambridge Companion to George Bernard Shaw*. CUP, 2000.
10. Judy, Pearsall (Ed). *The Concise Oxford Dictionary*, 10th Edition. New Delhi: Oxford University Press. 1999.
11. Luckhurst, Mary. *A Companion to Modern British and Irish Drama (1880-2005)*, Blackwell Publishing, 2006.
12. Rees, R. J. *English Literature: An Introduction for Foreign Students*. Delhi: Macmillan, 2000



Discipline Specific Elective 3 A (DSE 3 A)

DSE 3 ENG A : Twentieth Century English Literature

SEM –V

External- 60 marks

Internal- 40 marks

Credits – 03 (45 clock hrs)

Objectives-

1. To explain the students development of poetry in English
2. To acquaint the students with features and types of modern poetry, drama and novel
3. To introduce the students with major poets, novelists and dramatists in modern English literature.

Credits-03

Unit1. Background: i) Literary Trends and Tendencies in British Poetry, Drama and Novel

ii) Contribution of the major poets, dramatists and novelists to English Literature.

Unit 2. Poetry Section :

I) W. B. Yeats- i. *A Prayer for My Daughter*.

ii. *Sailing to Byzantium*.

II) T.S. Eliot - i. *Journey of Magi*.

ii. *Morning at the Window*.

III) W.H. Davies- i. *The Kingfisher*

ii. *Money*.

Unit 3. Drama: *Waiting for Godot*- Samuel Beckett.



Discipline Specific Elective 3 B (DSE 3 B)

DSE 3 ENG B: Twentieth Century English Literature

SEM-VI

External- 60 marks

Internal- 40 marks

Credits – 03 (45 clock hrs)

Unit 1. Background: i) Literary Trends, Tendencies in twentieth century British Poetry, Drama and Novel.

ii) Contributions of the major poets, dramatists and novelists to British Literature.

Unit2. Poetry Section:

I) Dylan Thomas - i. *A Fern Hill* ii. *The Hunchback in the Park*.

II) Wilfred Owen – i. *Dulce et Decorum Est*. ii. *Futility*.

III) W.H. Auden - i. *The Shield of Achilles* ii. *Now the leaves are Falling Fast*.

Unit 3. Novel: *Lord of the Flies*- William Golding

Recommended Books:

1. Abrams, M. H. *A Glossary of Literary Terms*, 3rd edn. Macmillan Company of India Ltd. 1978.
2. Blamires, Harry. *Twentieth Century English Literature*. Macmillan, 1982.
3. Boris Ford, ed. *The Pelican Guide to English Literature*, Vol. VII 3rd Edn. Penguin Books Ltd. New York, 1973.
4. C.B. Cox and A. E. Dyson, ed. *Poems of This Century*. 1970.
5. Cronin, A. *Samuel Beckett: The Last Modernist*. London : Flamingo, 1997
6. Esslin, Martin. *The Theatre of the Absurd*, revised and enlarged edition, Penguin Books, 1976.
7. John Hayward, edit. *The Penguin Book of English Verse*, 1987.
8. Laura Marcus and Peter Nicholls. Edt. *The Cambridge History of Twentieth Century English Literature*, Cambridge University Press, 2004.
9. Margaret Drabble. edit. *The Oxford Companion to English Literature*. O.U.P. 1996
10. Press. John. *A Map of Modern English Verse*. London: Oxford University Press, 1969.
11. Philip Larkin, edit. *The Oxford Book of Twentieth Century English Verse*. O.U.P. U.K. 1973
12. Scully, James. *Modern Poets on Modern Poetry: A Critical Introduction*. New York: Oxford University Press, 1960.
13. Sheppard, C.A. ed. *A Pageant of Poems*. Orient Longman Ltd. New Delhi, 1977.
14. Tuma Keith, ed. *Anthology of Twentieth Century British and Irish Poetry*. O.U.P.



Discipline Specific Core Course 1 E (DSC 1 E)

DSC ENG 1 E: Indian Writing in English

Sem. V

Objectives-

1. To introduce students with development of English Literature by Indian Writers
2. To acquaint students with major writers of Indian English Literature
3. To introduce students with content, techniques and styles of Indian writers in English.

External- 60 marks

Internal- 40 marks

Credits- 03 (45 clock hrs)

Unit 1. Background: i) Development of Indian English writing with reference to Poetry and Drama.

ii) Trends, movements and features of Indian English writing with reference to Poetry and Drama.

Unit 2. Poetry Section :

I) K. N. Daruwalla- i. *From Ruminations* ii. *Fire Hymn.*

II) Kamala Das. - i. *The Sunshine Cat.* ii. *My Grandmother's House*

III) Nissim Ezekiel- i. *Enterprise* ii. *Philosophy.*

Unit 3. Drama: Girish Karnad – *Nag Mandal*

Discipline Specific Core Course 1 F (DSC 1 F)

DSC ENG 1 F: Indian Writing in English

Sem. VI

External- 60 marks

Internal- 40 marks

Credits- 03 (45 clock hrs)

Unit 1. Background: i) Development of Indian English writing with reference to Poetry and Novel.

ii) Trends, movements and features of Indian English writing with reference to Poetry and Novel.

Unit 2. Poetry Section:

I) Arun Koltkar- i. *The Boat Ride.* ii. *Blue Horse (from Jejuri).*



II) Jayant Mahapatra- i. *Indian Summer*.

ii. *The Logic*.

III) R. Parthasarathy- i. *From Exile*.

ii. *From Trial*.

Unit 3. Novel: Sudha Murthy- *Dollar Bahu*.

Recommended Books:

1. Ten Twentieth Century Indian Poets Chosen and edited by R.Parthasarathy, Oxford University Press, New Delhi. 1976.
2. Indian English Poetry Since 1950: An Anthology ed. by Vilas Sarang and Published by Orient BlackSwan, Hyderabad, 1990.
3. Indian Poetry in English ed. by Makarand Paranjape , published by Laxmi Publications, New Delhi, 2000.
4. Iyengar, K. R. S. *Indian Writing in English*. New Delhi: Sterling Publishers. 2004.
5. Kumar N. *Indian English Drama : A Study in Myths*. New Delhi, Sarup & Sons, 2003.
6. Naik, M. K. *Aspects of Indian Writing in English*. Delhi: Macmillan Indian Ltd. 1999.
7. Naik, M. K. *History of Indian English Literature*. New Delhi: Sahitya Academy. 1960.
8. Naik, M. K. *Twentieth Century Indian English Fiction*. Delhi: Pencraft International. 2004.
9. Naik, M. K. et al. *Critical Essays on Indian Writing in English*. Madras: Macmillan India Ltd. 1977.
10. Pathak, R. S. *Modern Indian Novel in English*. Creative New Literature Series, 28. New Delhi: Creative Books. 1999.
11. Rao, C. R. Visweswara. *Indian Writing Today*. New Delhi: Indian Association for English Studies. 1996.
12. Venkata Reddy.K, Dhavan R.K. ed. *Flowering of Indian Drama*. Prestige, New Delhi ,2004.

Discipline Specific Core Course 1 E (DSC 1 E)

DSC ENG 1 E: Indian Writing in English

Sem. V

QUESTION PAPER FORMAT

Time -2 Hrs.

Marks- 60

A.1. A) Multiple Choice Questions (on all units)(6/8)

(06 marks)

B) Answer the following questions in one sentence each(on all units)(6/8)

(06 marks)

Q.2. A) Long Answer Question on Background

(12 marks)

OR



Generic Elective Course GE-1(A and B)
GE Eng A and B: Film and Literature

Objectives:

- a) To introduce the students the concept of film and its origin and development.
- b) To make the students able to understand the similarities and differences in film and literature
- c) To enable the students explore the process of adaptation and come to an understanding of how film interacts with other cultural forms such as theatre and fiction.
- d) To help the students analyze and judge film as an adaptation of literary text
- e) To develop among the students the ability to comprehend art of cinema making from a literary text.

Generic Elective Course GE-1(A)
GE Eng A: Film and Literature
Semester-V

External- 60 marks
Credits- 03

Internal- 40 marks
45 Clock Hrs.

Unit I: i) Film and Literature: Concept, Origin, Nature and Development

ii) Aspects of Film and Literature

iii) Literature and Film Adaptations

Unit: II i) Studies in Texts and Films: English Drama and English Film

Pygmalion (Drama by G. B. Shaw) – *My Fair Lady* (Movie- 1964 Director: George Cukor,)

Unit: III i) Studies in Texts and Films: English Novel and Indian Hindi Film

Namesake (Novel by Jhumpa Lahiri, 2003) and the Film- *The Namesake* (Directed by Meera Nair)

Generic Elective Course GE-1(B)
GE Eng B: Film and Literature
Semester-VI

External- 60 marks
Credits- 03

Internal- 40 marks
45 Clock Hrs.

Unit I: i) Indian Literature in Films: Nature and Development

ii) Indian Literature and Its Film Adaptations

iii) Regional Literature and Film

Unit: II i) Studies in Texts and Films: English Novel and Hindi Film

Guide (Novel by R.K.Narayan) – *Guide* (Movie- 1965 Director: Vijay Anand)

Unit: III i) Studies in Texts and Films: Marathi Novel and Marathi Film

Natsamrat (Drama by Shirwadkar)- *Natsamrat* (Film- 2016 Directed by Mahesh Manjrekar)



॥ अंतरी पेटवू ज्ञानज्योत ॥
उत्तर महाराष्ट्र विद्यापीठ, जळगाव.
प्रथम वर्ष कला : मराठी अभ्यासक्रम
जून २०१७ पासून,

प्रथम सत्र

MARG-111 (A) – वाङ्मय प्रकाराचा अभ्यास (कादंबरी)

सूचना : १) अभ्यासक्रम जून २०१७ पासून सत्र पद्धतीनुसार शिकविला जाईल.
२) प्रथम सत्र व द्वितीय सत्रासाठी स्वतंत्र अभ्यासक्रम राहिल.

प्रथम सत्र : वाङ्मय प्रकार – कादंबरी

अभ्यासक्रमासाठीचे पुस्तक : चकवा – अलका शंशाक कुलकर्णी

अ) अध्ययन अध्यापनाची उद्दिष्टे

तासिका - १५

- १) मराठी कादंबरीची वाटचाल
- २) कादंबरी वाङ्मयाची वैशिष्ट्ये
- ३) कादंबरीचे घटक- कथानक, प्रसंग वर्णन, संघर्ष, व्यक्तिचित्रणे, मूल्य
- ४) मराठी कादंबरीचे प्रकार
- ५) मराठी कादंबरीची स्थित्यंतरे

ब) घटक विश्लेषण

तासिका-४५

- १) चकवा कादंबरीचे कथानक
- २) “ चकवा ” मधील सामाजिक जाणिवा व संघर्ष
- ३) “ चकवा ” मधील विविध व्यक्तिरेखा
- ४) “ चकवा ” मधील विज्ञानवादी दृष्टीकोन
- ५) “ चकवा ” कादंबरीतील अंधश्रद्धा निर्मूलन

एकूण तासिका - ६०

संदर्भ ग्रंथ

- चकवा – अलका शंशाक कुलकर्णी, साधना प्रकाशन, पुणे
- कादंबरी विषयी – हरिशचंद्र थोरात
- गेल्या अर्धशतकातली कादंबरी – संपा. विलास खोले
- मराठी कादंबरीची वाटचाल – बापट गोडबोले, व्हीनस प्रकाशन पुणे
- ‘डाकीण’ अंधश्रद्धेवरील मनोवैज्ञानिक कादंबरी ‘चकवा’ – डॉ.फुला बागूल, म.स.प., अंक क्र.३४६, ऑक्टो.-डिसेंबर २०१३, पृ.क्र.८.
- साहित्यविमर्श, वरखेडे र., साकेत प्रकाशन, औरंगाबाद
- साहित्याची भाषा, नेमाडे ब., साकेत प्रकाशन, औरंगाबाद



॥ अंतरी पेटवू ज्ञानज्योत॥

उत्तर महाराष्ट्र विद्यापीठ, जळगाव.
प्रथम वर्ष कला : मराठी अभ्यासक्रम
जून २०१७ पासून,

द्वितीय सत्र

MARG-121 (A) – वाङ्मय प्रकाराचा अभ्यास (काव्य)

सूचना : १) जून २०१७ पासून सत्र पद्धतीचा स्विकार करण्यात आला आहे.
२) प्रथम सत्र व द्वितीय सत्रासाठी स्वतंत्र अभ्यासक्रम राहिल.

द्वितीय सत्र : वाङ्मय प्रकार – काव्य

नेमलेले पुस्तक : कवितासंग्रह (संपादित)

अ) अध्ययन अध्यापनाची उद्दिष्टे

तासिका - १५

- १) काव्य संकल्पना, कवितेच्या व्याख्या
- २) कवितेचे घटक - शब्द, नाद, अलंकार, वृत्त, प्रतिमा, प्रतीके इत्यादी
- ३) कवितेचे प्रकार - स्वरूप वैशिष्ट्ये
- ४) मराठी काव्याचा प्रवाह
- ५) खान्देशी काव्य परंपरेचा आढावा

ब) कविता घटक विश्लेषण

तासिका - ४५

खानदेशातील जुन्या व नव्या पिढीचे ५/६ प्रमुख कवींच्या कविता अभ्यासमंडळाने संपादित कराव्यात. हा अभ्यासक्रम द्वितीय सत्रात असल्याने यासाठी वेळ आहे. नोव्हेंबर २०१७ पर्यंत पुस्तक संपादित करावे.

अशोक नीळकंठ सोनवणे,
पांडूरंग सुतार
चामुलाल राठवा
संजीवकुमार सोनवणे
रावसाहेब कुंवर

यांच्या ८/१० कविता निवडून पुस्तक संपादित करता येईल.

एकूण तासिक - ६०

संदर्भ

- कपाळावर कोरलेले कवितेचे जखमी सूर्य - पांडूरंग सुतार (१९९५)
- माझ्या घराचे दार - संजीवकुमार सोनवणे
- मराठी कवितेतील मूर्तिभंजन, नखाळे व्ही. डायमंड पब्लिकेशन्स, पुणे



कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
मानव्यविज्ञान विद्याशाखा

Choice Based Credit System

द्वितीय वर्ष कला

मराठी

सत्र तिसरे व चौथे

(जून २०१९ पासून लागू)

DSC मराठी : वाङ्मयीन मराठी
विशिष्ट वाङ्मयप्रकारांचा अभ्यास
(श्रेयांक: दोन)

सत्र तिसरे

MAR २३१ A

DSC मराठी C: वैचारिक गद्यलेखनाचा अभ्यास

नेमलेली साहित्यकृती: 'शेतकऱ्याचा असूड'- महात्मा जोतीराव फुले
संपादन व प्रस्तावना: नागनाथ कोत्तापल्ले, मेहता पब्लिशिंग हाऊस, पुणे.

● अभ्यासक्रमाची उद्दिष्टे -

१. मराठीतील वैचारिक गद्यलेखनाच्या परंपरेचा परिचय करून घेणे.
२. महात्मा जोतीराव फुले यांचे जीवन, कार्य व त्यांची वैचारिक जडणघडण यांबाबत जाणून घेणे.
३. महात्मा जोतीराव फुले यांच्या लेखनसंपदेबाबत माहिती घेणे.
४. 'शेतकऱ्याचा असूड'मधील वैचारिक आशयाची स्वरूपवैशिष्ट्ये समजावून घेणे.
५. 'शेतकऱ्याचा असूड' या वैचारिक गद्यलेखनाच्या वाङ्मयीन गुणवैशिष्ट्यांचा शोध घेणे.
६. 'शेतकऱ्याचा असूड'मधून आलेल्या वैचारिक मांडणीची समकालीन अर्थपूर्णता प्रात्यक्षिकांच्या माध्यमातून जाणून घेणे.

● घटक विश्लेषण -

घटक क्र.	घटक	श्रेयांक	घड्याळी तासिका
१.	'शेतकऱ्याचा असूड' या वैचारिक गद्यलेखनाचा अभ्यास	०१	१५
	१.१ वैचारिक गद्य: स्वरूप व वैशिष्ट्ये		
	१.२ मराठीतील वैचारिक गद्यलेखनाचा परामर्श		
	१.३ महात्मा जोतीराव फुले: व्यक्तित्व, कार्य आणि लेखन		



	(फुले यांची वैचारिक जडणघडण, त्यांचे कार्य आणि लेखन यांचा परामर्श)		
	१.४ 'शेतकऱ्याचा असूड': स्वरूप व वैशिष्ट्ये १. या ग्रंथातील वैचारिक आशयाचे स्वरूप, वैशिष्ट्ये (शेती, शेतकरी आणि कृषीव्यवस्था यांबाबत मांडलेल्या विचारांचे स्वरूप) २. या ग्रंथातील वैचारिक मांडणीची वाङ्मयीन गुणवैशिष्ट्ये (विचारांची मांडणी करण्याचे तंत्र, विश्लेषणात्मकता, तार्किकता, साधार व ससंदर्भ मांडणी, भाषा व शैली विशेष आदी)		
२.	प्रात्यक्षिके (कोणतीही चार)	०१	१५
	१. महात्मा जोतीराव फुले यांच्या अन्य एका वैचारिकग्रंथाचे वाचन करून त्यात मांडलेल्या विचारांबाबत लिहा.	०१ Credit of Practical = ०२ Credits	३०
	२. शेतकरी जीवनावरील पाच कवितांचे संकलन करून त्यांबाबत लिहा.		
	३. शेतीच्या प्रश्नासंबंधी जाणून घेण्यासाठी तुमच्या गावातील एका शेतकऱ्याची मुलाखत घ्या.		
	४. शेतकरी कुटुंबाची आर्थिक व सामाजिक स्थितिगती जाणून घेण्यासाठी शेतकरी कुटुंबाशी संवाद साधा.		
	५. महाराष्ट्रातील शेतकऱ्यांच्या प्रश्नांवरील एखाद्या चळवळीबाबत माहिती लिहा.		
	६. तुमच्या परिसरातील शेतीमध्ये येणाऱ्या पिकांबाबतची माहिती गोळा करून त्याबाबत लिहा.		
	७. शेतकरी जीवनावरील मराठीतील कोणत्याही दोन कादंबऱ्या वाचून त्यांची वैशिष्ट्ये नमूद करा.		
	८. शेतीची कामे, अवजारे आणि अन्य बाबी यांच्याशी संबंधित वैशिष्ट्यपूर्ण शब्दांची सूची तयार करा.		
	९. शेतीमध्ये केल्या जाणाऱ्या विविध कामांबाबत नोंदीच्या स्वरूपात लेखन करा.		
	१०. शेती आणि शेतकरी यांबाबत चर्चा करणारा वैचारिक लेख लिहा.		
	एकूण श्रेयांक व घड्याळी तासिका	०२ (०३)	३० (४५)



● **संदर्भसाहित्य:**

१. महात्मा जोतिराव फुले लिखित 'शेतकऱ्याचा असूड' - संपादन व प्रस्तावना: वासुदेव मुलाटे, स्वरूप, औरंगाबाद.
२. समग्र महात्मा फुले वाङ्मय - संपा. य. दि. फडके.
३. मराठी साहित्यातील उपेक्षित मानकरी - चिं. ग. कर्वे, व्हीनस, पुणे.
४. अर्वाचीन मराठी साहित्याची सांस्कृतिक पार्श्वभूमी - सदा कऱ्हाडे, लोकवाङ्मय, मुंबई.
५. मराठी निबंध - म. मा. अळतेकर, सुविचार प्रकाशन मंडळ, नागपूर.
६. १९व्या शतकातील महाराष्ट्र - ग. दे. खानोलकर, साहित्य सहकार, मुंबई.
७. आधुनिक भारत - आचार्य शं. द. जावडेकर, सुलभ राष्ट्रीय ग्रंथमाला, पुणे.
८. मराठी वाङ्मयाचा इतिहास खंड चौथा - संपा. रा. श्री. जोग, महाराष्ट्र साहित्य परिषद, पुणे.
९. महात्मा फुले - प्र. के. अत्रे
१०. लोकल्याणकारी राज्याचे द्रष्टे महात्मा फुले - ल. भा. कुरकुरे
११. महात्मा फुले आणि शेतकरी चळवळ - अशोक चौसाळकर
१२. महात्मा जोतीराव फुले: आजच्या समाजक्रांतीचे जनक - धनंजय कीर
१३. शंभर वर्षापूर्वी जोतिबांनी शेतकऱ्यांच्या वतीने उगारलेला असूड, वसंत पळशीकर, आजचा चार्वाक, मुंबई, दिवाळी अंक १९९०.
१४. जोतिरावांची समता संकल्पना - भा. ल. भोळे
१५. महात्मा फुले - व्यक्तित्व आणि विचार - गं. बा. सरदार
१६. महात्मा फुले आणि धर्म - आ. ह. साळुंखे
१७. महात्मा फुले यांची धर्म कल्पना - नलिनी पंडित

सत्र चौथे

MAR २४१ A

DSC मराठी D: चरित्र-आत्मचरित्रपर लेखनाचा अभ्यास

नेमलेली साहित्यकृती: 'जीवनरंग'(निवडक चरित्र व आत्मचरित्रपर लेख)

संपादन: मराठी अभ्यासमंडळ, कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव.
(सदर पुस्तकात चार चरित्रपर आणि चार आत्मचरित्रपर लेखांचा समावेश असेल.)

● **अभ्यासक्रमाची उद्दिष्टे -**

१. चरित्र व आत्मचरित्र लेखनाचे सामाजिक व वाङ्मयीन दृष्ट्या महत्त्व जाणून घेणे.
२. मराठीतील चरित्र लेखनाच्या परंपरेचा परिचय करून घेणे.
३. मराठीतील आत्मचरित्र लेखनाच्या परंपरेचा परिचय करून घेणे.
४. 'जीवनरंग' या पुस्तकातील निवडक चरित्रपर लेखांचे स्वरूप जाणून घेणे.
५. 'जीवनरंग' या पुस्तकातील निवडक आत्मचरित्रपर लेखांचे स्वरूप जाणून घेणे.



६. 'जीवनरंग' या पुस्तकातील निवडक चरित्रपर लेखांची वाङ्मयीन गुणवैशिष्ट्ये लक्षात घेणे.
७. 'जीवनरंग' या पुस्तकातील निवडक आत्मचरित्रपर लेखांची वाङ्मयीन गुणवैशिष्ट्ये लक्षात घेणे.
८. चरित्र-आत्मचरित्रपर लेखनाचीसामाजिक वैशिष्ट्यपूर्णता आणि लेखनपध्दती यांबाबत प्रात्यक्षिकांच्या माध्यमातून जाणून घेणे.

● घटक विश्लेषण -

घटक क्र.	घटक	श्रेयांक	घड्याळी तासिका
१.	'जीवनरंग'मधील चरित्र-आत्मचरित्रपर लेखांचा अभ्यास	०१	१५
	१.१ चरित्र व आत्मचरित्र: स्वरूप व वैशिष्ट्ये		
	१.२ मराठीतील चरित्र व आत्मचरित्र लेखनाचा परामर्श		
	१.३ 'जीवनरंग'मधील चरित्र-आत्मचरित्रपर लेख: स्वरूप व वैशिष्ट्ये १. चरित्र व आत्मचरित्रपर लेखांच्या आशयाचे स्वरूप, वैशिष्ट्ये (चरित्रनायक / 'मी'चे घडणारे दर्शन, व्यक्तिचित्रण, प्रसंगवर्णन) २. चरित्र व आत्मचरित्रपर लेखांची वाङ्मयीन गुणवैशिष्ट्ये (वस्तुनिष्ठा, सत्यदर्शन, अनुभवाची मांडणी, लेखनशैली, भाषिक वैशिष्ट्ये)		
२.	प्रात्यक्षिके (कोणतीही चार)	०१	१५
	१. स्वतःच्या आयुष्यातील एखाद्या प्रसंगाबाबत लेखन करा.	०१ Credit of Practical =	३०
	२. आवडलेल्या एखाद्या चरित्रग्रंथाचे परीक्षण करा.	०२ Credits	
	३. आवडलेल्या एखाद्या आत्मचरित्राचे परीक्षण करा.		
	४. तुमच्या कुटुंबातील व्यक्तींची स्वभाववैशिष्ट्ये लिहा.		
	५. एका आठवड्याची वैयक्तिक रोजनिशी लिहा.		
	६. तुमच्या परिसरातील सामाजिक कार्य करणाऱ्या एखाद्या हयात वा मृत व्यक्तीच्या चरित्राविषयी माहिती संकलित करून लिहा.		
	७. शिक्षणक्षेत्रात मौलिक कामगिरी करणाऱ्या		



	तुमच्या परिसरातील एखाद्या हयात वा मृत व्यक्तीच्या चरित्राविषयी माहिती संकलित करून लिहा.		
	८. तुमच्या परिसरातील एखाद्या नाट्यकलावंताची वा क्रीडापटूची मुलाखत घेऊन त्यांच्या जीवनपटाची ठळक वैशिष्ट्ये नोंदवा.		
	९. तुमच्या महाविद्यालयाच्या ग्रंथालयातील चरित्रग्रंथांची अकारविल्हे सूची तयार करा.		
	१०. तुमच्या महाविद्यालयाच्या ग्रंथालयातील आत्मचरित्र ग्रंथांची अकारविल्हे सूची तयार करा.		
	एकूण श्रेयांक व घड्याळी तासिका	०२ (०३)	३० (४५)

● **संदर्भसाहित्य:**

१. चरित्र आणि आत्मचरित्र: तंत्र आणि विकास - अ. म. जोशी
२. चरित्र आणि आत्मचरित्र (लेख), साहित्यरूप - सदा कऱ्हाडे
३. मराठी चरित्र: रूप आणि इतिहास - जयंत वषट
४. मराठी चरित्र: मूलतत्त्वे आणि समीक्षा - ग. का. रावते
५. साहित्य: अध्यापन आणि प्रकार (वा. ल. कुळकर्णी गौरवग्रंथ) - संपा. श्री. पु. भागवत आणि इतर
६. अर्वाचीन मराठी साहित्य - संपा. वि. पां. नेने
७. आधुनिक मराठी साहित्याचा इतिहास भाग दोन - अ. ना. देशपांडे
८. मराठी वाङ्मयाचा इतिहास खंड तिसरा, चौथा, पाचवा - संपा. रा. श्री. जोग
९. मराठी वाङ्मयाचा इतिहास खंड सात - संपा. रा. ग. जाधव
१०. प्रदक्षिणा खंड एक - संपा. अनिरुध्द कुलकर्णी
११. एका चरित्राचे चिंतन - द. न. गोखले
१२. चरित्र चिंतन - द. न. गोखले
१३. ग्रंथवेध - वि. रा. करंदीकर
१४. अनुभव आणि आकार - प्रल्हाद वडेर
१५. आवड-निवड - स. गं. मालशे
१६. चरित्र-आत्मचरित्रे विशेषांक, ललित, जून-जुलै २०१३.

अत्यंत महत्त्वाचे: प्रात्यक्षिक परीक्षेबाबत (अंतर्गत परीक्षा)

सदर अभ्यासपत्रिकेतील पहिल्या घटकावर साठ गुणांची लेखी विद्यापीठाची परीक्षा प्रत्येक सत्राला होईल. प्रत्येक सत्राची चाळीस गुणांची अंतर्गत परीक्षा ही प्रात्यक्षिकांची असेल. अभ्यासक्रमात नमूद केलेल्या प्रात्यक्षिकांपैकी कोणतीही चार प्रात्यक्षिके विद्यार्थ्यांने प्रात्यक्षिक वही / फाईल यामध्ये लिहावयाची आहेत. त्यात पहिले पान विद्यार्थ्यांचे नाव, वर्ग, हजेरी क्र., विषयाचे नाव याचे असेल. पहिल्या पानावरच विषयशिक्षक व प्राचार्य यांची स्वाक्षरी असणे अनिवार्य आहे.

सदर परीक्षेचे मूल्यमापन संबंधित विषयशिक्षकानेच करावयाचे आहे. सत्र संपण्याआधी सदर अभ्यासपत्रिकेच्या नियमित तासिकांना प्रात्यक्षिक परीक्षेचे आयोजन



कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
मानव्यविज्ञान विद्याशाखा
Choice Based Credit System
तृतीय वर्ष कला – मराठी
सत्र पाचवे व सहावे
(शैक्षणिक वर्ष 2020 - 2021 पासून लागू)

DSC Marathi
वाङ्मयीन मराठी
विशिष्ट वाङ्मयप्रकारांचा अभ्यास

सत्र पाचवे
DSC Marathi E : एकांकिका लेखनाचा अभ्यास
(श्रेयांक – तीन)

दलित एकांकिका लेखनाचा अभ्यास
'निवडक दलित एकांकिका'
संपा. दत्ता भगत, साहित्य अकादेमी, नवी दिल्ली.
पहिली आवृत्ती: 2012. पुनर्मुद्रण: 2013.

● अभ्यासक्रमाची उद्दिष्टे-

1. एकांकिका या नाट्यप्रकाराचे स्वरूप व त्याची वैशिष्ट्ये जाणून घेणे.
2. मराठीतील एकांकिका लेखनाची वाटचाल लक्षात घेणे.
3. दलित एकांकिका लेखनाचे स्वरूप, त्याची वैशिष्ट्ये व वाटचाल समजून घेणे.
4. निवडक दलित एकांकिकांचा अभ्यास करणे.

● घटक विश्लेषण –

घटक क्र.	घटक	श्रेयांक	घड्याळी तासिका
1.	1.1 एकांकिका: संकल्पना, स्वरूप व वैशिष्ट्ये	01	15
	1.2 मराठीतील एकांकिका लेखनाचा परामर्श		
	1.2.1 सन 1950 पूर्व मराठीतील एकांकिका लेखन		
	1.2.2 सन 1950 नंतरचे मराठीतील एकांकिका लेखन		
	1.2.3 मराठीतील दलित एकांकिका लेखन: स्वरूपवैशिष्ट्ये व वाटचाल		



2.	‘निवडक दलित एकांकिका’ या पुस्तकातील पुढील एकांकिकांचा अभ्यास (विषयसूत्र, कथानक, पात्रचित्रण, संघर्ष, संवाद, मांडणी, भाषिक विशेष या मुद्द्यांच्या अनुषंगाने)	01	15
	1. ‘शेटजीचे इलेक्शन’ — अण्णाभाऊ साठे		
	2. ‘जहाज फुटलं आहे’ — दत्ता भगत		
	3. ‘घोटभर पाणी’ — प्रेमानंद गज्वी		
3.	‘निवडक दलित एकांकिका’ या पुस्तकातील पुढील एकांकिकांचा अभ्यास (विषयसूत्र, कथानक, पात्रचित्रण, संघर्ष, संवाद, मांडणी, भाषिक विशेष या मुद्द्यांच्या अनुषंगाने)	01	15
	1. ‘डोया व्हईसन आंधया’ — भगवान ठाकूर		
	2. ‘बायको मी देवाची’ — रामनाथ चव्हाण		
	3. ‘ऐन आषाढात पंढरपुरात’ — संजय पवार		
	एकूण श्रेयांक व घड्याळी तासिका	03	45

• संदर्भग्रंथ-

1. आधुनिक मराठी नाटक (आशय आणि आकृतिबंध) — सुषमा जोगळेकर
2. दलित रंगभूमी — संपादन व प्रस्तावना: भालचंद्र फडके, सुरेश एजन्सी, पुणे.
3. मराठी रंगभूमीच्या तीस रात्री — मकरंद साठे, पॉप्युलर, मुंबई.
4. मराठी नाटक आणि रंगभूमी: पहिले शतक (1843-1943) — वि. भा. देशपांडे, व्हीनस, पुणे.
5. मराठी नाटक: स्वातंत्र्योत्तर काल (1947-90) — वि. भा. देशपांडे, व्हीनस, पुणे.
6. मराठी नाटक नाटककार: काळ आणि कर्तृत्व खंड 1, 2, 3 — वि. भा. देशपांडे, दिलीपराज, पुणे.
7. मराठी नाट्यसृष्टी — गो. म. कुलकर्णी, मेहता, पुणे.
8. मराठी नाटक आणि रंगभूमी विसावे शतक — वसंत आबाजी डहाके, पॉप्युलर, मुंबई.
9. माझा नाट्यलेखन / दिग्दर्शनाचा प्रवास — संपा. वि. भा. देशपांडे, उन्मेष, पुणे.
10. प्रदक्षिणा खंड 2 — संपा. अनिरुध्द कुलकर्णी, कॉन्टिनेन्टल, पुणे.
11. निवडक मराठी एकांकिका — संपा. सुधा जोशी, रत्नाकर मतकरी, साहित्य अकादेमी, नवी दिल्ली.
12. नाटक-एक वाङ्मयप्रकार — दत्ता भगत, य. च. म. मु. वि., नाशिक.
13. मराठी नाटक आणि रंगभूमी — हिमांशू स्मार्त, विश्वनाथ शिंदे, प्रतिमा, पुणे.
14. नाटकी नाटक — कमलाकर नाडकर्णी, मनोविकास, पुणे.
15. नाट्यावलोकन — आरती कुलकर्णी, रेखा जगनाळे-मोतेवार, विजय, नागपूर.
16. दलित साहित्य: उद्गम आणि विकास — योगेन्द्र मेश्राम
17. दलित रंगभूमी — संपा. भालचंद्र फडके
18. दलित रंगभूमी आणि नाट्यचळवळ — मधुकर मोकाशी, स्नेहवर्धन, पुणे.
19. दलित नाटक आणि रंगभूमी — ईश्वर नंदापुरे
20. दलित नाटक: प्रेरणा व विकास — शैलेश त्रिभुवन
21. एकांकिका विशेषांक, पंचधारा, जुलै-सप्टेंबर 2015.
22. <https://www.marathirushti.com/articles/दलित-रंगभूमी-दलित-नाट्यच/>



सत्र सहावे
DSC Marathi F : ललित गद्य लेखनाचा अभ्यास
(श्रेयांक –तीन)

ललित गद्य लेखनाचा अभ्यास
‘ललितरंग’ (स्त्रीविषयक निवडक ललित गद्य)

संपादन: मराठी अभ्यासमंडळ, कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव.
(सदर पुस्तकात सहा ललित गद्य लेखांचा समावेश असेल.)

● **अभ्यासक्रमाची उद्दिष्टे-**

1. ललित गद्य या वाङ्मयप्रकाराची संकल्पना, त्याचे स्वरूप व त्याची वैशिष्ट्ये जाणून घेणे.
2. मराठीतील ललित गद्य लेखनाच्या वाटचालीचा परामर्श घेणे.
3. ललित गद्य लेखनातील विविध प्रकारांची, त्यांच्या बदलत्या रूपांची माहिती करून घेणे.
4. स्त्रीविषयक निवडक ललित गद्य लेखनाचा अभ्यास करणे.

● **घटक विश्लेषण –**

घटक क्र.	घटक	श्रेयांक	घड्याळी तासिका
1.	1.1 ललित गद्य: संकल्पना, स्वरूप व वैशिष्ट्ये	01	15
	1.2 मराठी ललित गद्य लेखनाचा परामर्श		
	1.2.1 सन 1950 पूर्वीचे मराठी ललित गद्य (लघुनिबंध)		
	1.2.2 सन 1950 नंतरचे मराठी ललित गद्य (ललित निबंध)		
	1.2.3 सन 1975 नंतरचे ललित गद्य (लेखनाचे विविधांगी स्वरूप)		
2.	‘ललितरंग’ या पुस्तकातील (क्र. एक ते तीन) ललित गद्य लेखांचा अभ्यास (लेखनातील ‘मी’, अनुभवाचे स्वरूप - भावनात्मकता व चिंतनशीलता, स्त्रीजीवनाचे दर्शन, निवेदन, भाषिक व शैली विशेष, मांडणी या मुद्द्यांच्या अनुषंगाने)	01	15
3.	‘ललितरंग’ या पुस्तकातील (क्र. चार ते सहा) ललित गद्य लेखांचा अभ्यास (लेखनातील ‘मी’, अनुभवाचे स्वरूप - भावनात्मकता व चिंतनशीलता, स्त्रीजीवनाचे दर्शन, निवेदन, भाषिक व शैली विशेष, मांडणी या मुद्द्यांच्या अनुषंगाने)	01	15
	एकूण श्रेयांक व घड्याळी तासिका	03	45



Kavyitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

S.Y.B.A. - CBCS Pattern

Proposed Syllabus w.e.f. June-2019

SEMISTER-III&IV

-
1. Paper course no. DSC Eco 231 C & DSC Eco 241 D
 2. Paper title: Indian Economy Since 1980-I&II
 3. Credit-2 Total Periods -60/ Clock Hours 45
 4. External Marks 60+Practical marks 40=Total Marks 100
 5. Objectives of paper :
 1. To enable students to have understanding the various issues of Indian Economy.
 2. To develop the analysing capability in the context of current Indian Economic Problems.
 3. To able the students for appearing the MPSC, UPSC and other competitive Examinations.
-

SEMISTER-III

DSC Eco 231 C - INDIAN ECONOMY SINCE 1980-I

1. **Indian Economy and Human Resources in India.** (Periods-20)
 - 1.1. Basic Features of Indian economy.
 - 1.2. India's recent position in the world Economy
 - 1.3. Meaning of Human Resource.
 - 1.4. Population in India-Size and Growth.
 - 1.5. Causes of the rapid growth of population.
 - 1.6. Problems of over population.
 - 1.7. Recent National Population Policy.
 - 1.8. Poverty and Unemployment.
 - 1.8.1. Poverty- Meaning and types.
 - 1.8.2. Measurements of Poverty in India
 - 1.8.3. Unemployment- Meaning and types.
 - 1.8.4. Policies for removing Unemployment and poverty.
2. **Infrastructure in India.** (Periods-20)
 - 2.1. Irrigation-sources, water management.
 - 2.2. Energy-sources, Crises of Energy.
 - 2.3. Transport-Types of Transport,
 - 2.4. Problems of transports.
 - 2.5. Communication and Information Technology-Types of communication.
 - 2.6. Role of Information Technology in Indian Development.
3. **Basic Issues in Agriculture.** (Periods-20)
 - 3.1. Role of Agriculture in Indian Economy.
 - 3.2. Nature of Indian Agriculture.
 - 3.3. Recommendations of Swami Nathan Commission on Agriculture.
 - 3.4. Agricultural Finance-Importance and Sources.
 - 3.5. Agricultural Marketing-Defects and Reforms.
 - 3.6. Farmers Suicides- Causes and Measures



SEMISTER-IV
DSC Eco 241 D : INDIAN ECONOMY SINCE 1980-II
(60-40)=100 Marks

- 1. Industrial Development and issues and Co-operative sector in India. (Periods-20)**
 - 1.1 .Role of Industrialization in Economic Development.
 - 1.2 .Large scale industries-(Cotton, Jute, Iron&Steel, Sugar industries) Meaning, Role and Problems.
 - 1.3 .Small scale Industries- Meaning, Role and Problems.
 - 1.4 .Public Sector Enterprises-Meaning, Role and Problems.
 - 1.5 .Industrial Disputes- Meaning, Causes and Measures.
 - 1.6 .New Industrial Policy-1991.
 - 1.7.Meaning, Features and Objectives and Defects of Co-operative System.
 - 1.8. Co-operative Banking-Structure and Functions.
- 2. Changes in Planning in India. (Periods-20)**
 - 2.1. Economic Planning-Meaning, Objectives.
 - 2.2. Achievements and Failures of Economic Planning.
 - 2.3. 12th five year plan-Recourse allocation and Limitations
 - 2.4. NITI Aayog-Establish, Objectives.
 - 2.5. Differences between planning commission and NITI Aayog.
 - 2.6. Structure of NITI Aayog.
- 3. Recent Changes in Indian Economy. (Periods-20)**
 - 3.1. Direct Cash Transfer Scheme- Advantages and Limitation.
 - 3.2. Jan Dhan Yojna- Objectives, Features and Benefits.
 - 3.3. Mudra Bank Yojna - Objectives, Features and Benefit.
 - 3.4. Demonetization- Meaning, Merits and Demerits.
 - 3.5. Make in India -Introduction and Objectives.
 - 3.5. Advantages and Challenges of Make in India.

References:-

1. Indian Economy, Problems, Development and Planning (2019), A.N.Agrawal, Vishwa Prakashan, New Delhi.
2. Indian Economy (2019), S.K.Mishra and V.K. Puri, Himalaya Publication House, New Delhi.
3. Rural Development in India, Vasant Desai, Himalaya Publication House, New Delhi.
4. Indian Economy(2019), Professor (Dr.) N. L. Chavhan, Prashant Publications, Jalgaon
5. Indian Economy(2019), Gaurav Dutt, Mahajani, S. Chand Publications, New Delhi
6. भारतीयअर्थव्यवस्था, डॉ. एन.एल. चव्हाण, प्रशांतपब्लिकेशन, जळगांव.
7. भारतीयअर्थव्यवस्था आणि सहकार, धूतकलकर्णी, पिंपळपुरेपब्लिशर्स, नागपूर.
8. सहकार, भोसले, काटे, फडके प्रकाशन, कोल्हापूर.
9. भारतीयअर्थव्यवस्था-देसाई, भालेराव, निराली प्रकाशन, पुणे.
10. भारतीयअर्थव्यवस्थेची परिदृष्ट्ये, डॉ. डी. आर. जगताप, डॉ. डी. जी. पाटील, प्रशांतपब्लिकेशन, जळगांव.
11. अर्थसंवाद, विविध अंक.
12. <https://wikipedia.org>





T.Y.B.A- CBCS Pattern

(ECONOMICS)

SEMESTER– V & VI

Revised syllabus (W.e.f. June 2020)

1. **Paper course- No DSC -1 (E & F) Eco-351 & 361 : General Paper – 3rd**
2. **Paper Title: Indian Economy Since 1980 –III & IV**
3. **Credit – 3 Total Lectures – 60 + 60 (45 min / Lectures)**
4. **External Marks- 60 , Internal - 40**
5. **Objectives of paper :**
 1. To enable students to have understanding the various issues of Indian Economy.
 2. To develop the analysing capability in the context of current Indian Economic Problems.
 3. To able the students for appearing the MPSC, UPSC and other competitive Examinations.

SEMISTER-V

DSC-1(E)-Eco-351 Indian Economy Since 1980 –III

1. **Financial system in India** **20 Lectures**
 - a) The structure of Indian Financial System
 - b) Money Market-Meaning, Nature and Importance of Indian Money Market
 - c) Constituents of money market
 - d) Recent Reforms in Indian Money Market
 - e) Capital Market-Meaning and Nature of capital Market
 - f) Constituents of Capital Market
 - g) Defects of capital Market
 - h) Recent Reforms in Indian capital Market
 - i) Functions of SEBI
2. **Money and Banking in India.** **20 Lectures**
 - a) Trends of Prices in India
 - b) Causes of raising prices in India
 - c) Inflation -Meaning, consequences of Inflation in India
 - d) Anti-Inflationary policy of Government
 - e) Indian Banking-Structure of Indian Banking system
 - f) Functions of Commercial Banking in India
 - g) Progress of Commercial Banking since Nationalisation in India
 - h) Main Functions of RBI
 - i) Development Banking-Objectives and Functions



j) Functions of IFCI and IDBI

3. Foreign Trade and Globalization of India

20 Lectures

- a) Importance of Foreign Trade for Developing Economy.
- b) Composition of India's Foreign Trade.
- c) Direction of India's Foreign Trade.
- d) India's Balance of Payment (BOP)
- e) Causes of disequilibrium of BOP.
- f) Measures to correct the adverse BOP.
- g) Recent trade policy.
- h) Concept of LPG- Effects of globalization on Indian Economy.
- i) Role and functions of WTO, World Bank and IMF.

• SEMISTER-VI

DSC-1(F)-Eco-361 Indian Economy Since 1980 –IV

1. Federal Finance in India.

20 Lectures

- a) Silent Features of Federal Financial System in India.
- b) Constitutional provision regarding the Division of Resources between Centre and State.
- c) Functions of Finance Commission.
- d) Recommendations of recent Finance Commission.
- e) Financial conflict between Center and State.

2. Public Revenue of India.

20 Lectures

- a) Features of Indian Tax System.
- b) Tax Revenue of Central government.
- c) Tax Revenue of State government.
- d) Concept of Goods and Service Tax. (GST), Effects of GST on Indian Economy.
- e) Problem of Black Money in India-Causes and remedies.

3. Public Expenditure and Public Debt in India.

20 Lectures

- a) Trends of Central and State Government Expenditure.
- b) Causes of increasing Public Expenditure.
- c) Effects of Public Expenditure.
- d) Sources of Public Debt.
- e) Causes of increase in Public Debt.
- f) Deficit Financing – Meaning and Nature.
- g) Importance and Defects of Deficit Financing.
- h) Fiscal responsibility & Budget management act 2003.



References:-

- 1. Indian Economy, Gaurav Datta & Mahajan- S Chand & Sons Delhi.
- 2. Indian Economy, Problems, Development and Planning, A.N.Agrawal, Visha Prakashan, New Delhi.
- 3. Indian Economy, S.K.Mishra and V.K.Puri, Himalaya Publication House, New Delhi.

NORTH MAHARASHTRA UNIVERSITY, JALGAON
(SYLLABUS FOR F.Y.B.A.POLITICAL SCIENCE)
POL-G-101-A- Introduction to Indian Constitution
WITH EFFECT FROM JUNE 2017

Periods - 60
Marks - 60
U.A. - C.A.
60 40

Course Objectives -

This paper is a basic introduction to the process, concept and working of Indian constitution. Indian constitution is a social document. To create responsible Indian citizen is the need. Explain an importance of constitutions. Practical applicability of the constitution should be known to the students. It includes the constitutional frame work , machinery and recent trends in Indian democracy.

Semester-I

Chapter : 1	Making of the Indian Constitution	Periods	Marks
	a. Historical background of constitution b. Process of Making the Indian Constitution, c. Values of the preamble, d. Salient features in Indian Constitution	12	12
Chapter : 2	Federal Design and its working a. Structure of Indian Federation. b. Nature & Features of Indian Federation .(Art. 256) c. Centre & State Relation - Legislative Relation Administrative Relation, Financial Relation d. Constitutional Bodies - Finance commission, NITI Aayog	12	12
Chapter : 3	Fundamental Rights & Duties a. Fundamental Rights (12 to 33). b. Fundamental Duties (51A) (21A) c. Difference between Rights and Duties d. Recent changes Regarding Rights - RTI, RTE	12	12
Chapter : 4	Directive Principles of State Policy (Art. 36 to 51) a. Meaning and Scope of Directive Principles. b. Social and Economical Principles. c. Political Principles & Principles concern with International Relation d. Difference between Rights and Directive Principles.	12	12
Chapter : 5	Major Amendment in Indian Constitution (Art. 368) a. Procedure to Amendment in Indian Constitution b. Important Amendment - 61, 73, 74, 86 & 101 c. Dangers of Frequently Amendment in Indian Constitution d. Implementation of Amendments.	12	12



NORTH MAHARASHTRA UNIVERSITY, JALGAON
(SYLLABUS FOR F.Y.B.A.POLITICAL SCIENCE)
POL-G-201-A-Introduction to Indian Constitution
WITH EFFECT FROM JUNE 2017

Periods - 60
Marks - 60
U.A. - C.A.
60 40

Semester-II

Chapter : 1	Executive in India	Periods	Marks
	a. Union Executive : Composition, Powers and Functions	12	12
	1. President		
	2. Vice President		
	3. Prime Minister		
	4. Council of Minister		
	b. State Executive : Composition, Powers and Functions		
	1. Governor		
	2. Chief Minister		
	3. Council of Minister		
Chapter : 2	Legislature in India	12	12
	a. Union Legislature		
	1. Lok Sabha		
	Composition, Powers and Functions,		
	Speaker and Deputy Speaker Powers and Functions		
	2. Rajya Sabha		
	Composition, Powers and Function,		
	Chairman and Deputy Chairman Powers and Function		
	b. State Legislature		
	1. Vidhan Sabha		
	Composition, Powers and Function,		
	Speaker and Deputy Speaker Powers and functions		
	2. Vidhan Parishad		
	Composition, Powers and Function		
	Chairman and Deputy Chairman Powers and Functions		
Chapter : 3	Judiciary in India	12	12
	a. Supreme Court - Composition Powers and Function		
	b. High Court - Composition Powers and Function		
	c. Judicial Review, Judicial Activism		
	d. Public Interest Litigation (PIL), Judicial Reforms		
Chapter : 4	Electoral Process in India	12	12
	a. Representation and Adult Franchise		
	b. Centre and State Election Commission - Powers and Functions		
	c. Role of Election Commissioner		
	d. Election Reforms -		
	EVM - Electronic Voting Machine		
Chapter : 5	Emerging Challenges before Indian Democracy	12	12
	a. National Integration		
	b. Secularism		
	c. Reservation		
	d. Demand of Small States		



KB.C.N.M. University, Jalgaon
Syllabus for S.Y.B.A. (CBCS Pattern)
Political Science, Semester III

Paper Code : DSC – 1C Introduction to Administration of Maharashtra
(With Effect from June 2019)

Credits : 02
Lectures : 60

Total Clock Hours 45

Total Marks 100
Internal 40
External 60

Objectives: This paper is essential for students of any faculty – discipline. Because it is not only useful for G.K. but also necessary for admiring the history and administration of our region. We should learn about how our administration is going on, what is the role of administrator of all internal sections, features of govt, internal branches of administration, structure of govt etc. As well as this paper will help to create further administrators.

Chapter :- I Introduction of Maharashtra

Period 15

i. Background of Maharashtra –

Historical, Geographical, Socio-Economical and Political.

i. History of Establishment in Maharashtra.

ii. Administration of Maharashtra-Silent Features.

iii. Re-organisation of Administrative, Division and Districts of Maharashtra.

Chapter :- II State Secretariat (Mantralaya)

Period 15

i. Introduction and Organisation.

ii. Importance and Functions of Secretariat

iii. Role of Chief Secretary of state

iv. Directorate – Features and their functions.

Chapter :- III District Administration

Period 15

i. Meaning, Importance.

ii. Objectives and functions.

iii. District Collector -Power and Function, Position and his Changing role.

iv. Law and Order -Meaning, Principles, Methods and Agencies.



K.B.C.N.M. University, Jalgaon
Syllabus for S.Y.B.A. (CBCS Pattern)
Political Science, Semester IV

**Paper Code : DSC – 1D Introduction to Local and District Administration
of Maharashtra**
(With Effect from June 2019)

Credits : 02
Lectures : 60

Total Clock Hours 45

Total Marks 100

Internal 40
External 60

OBJECTIVES: This paper is attempts to discuss about local and district administration of Maharashtra. It is very useful for MPSC/UPSC/Other exams, purpose/aim of this paper is understanding the core of administration and enhance ability to get proper knowledge of rural – urban administration.

Chapter I :- Rural and Urban Administration in Maharashtra. Period 15

- A. Rural Administration-** Meaning, Importance, Historical Background
1. Gram Panchayat – Role of Gramsevak.
 2. Panchayat Samiti – Role of Block Development Officer(BDO).
 3. Zilla Parishad- Role of Chief Executive Officer(CEO).
- B. Urban Local Administrtation-** Meaning, Importance, Historical Background
1. Municipalty – Role of Chief Officer(CO).
 2. Muncipal Corporation – Role of Commissioner.
 3. Other Urban Local Administration – Structure, Function ,Approch.

Chapter II :- Law and Order : Period 15

- i. Meaning, Importance, Historical Background
- ii. Relevance of Law and Order.
- iii. District Police Superintendent of Police(SP) – Position , Role and Function.
- iv. Deputy District Superintendent of Police (DYSP) – Position, Role and Functions.

Chapter III :- Constitutional and Legal Board of Maharashtra(Structure and Functions) Period 15

- i. Tribble Development Board of Maharashtra.
- ii. Marathwada Statutory Development Board (MSDB)
- iii. Mahatma Fule , Annasaheb Patil, Anna Bhau Sathe Development Board .
- iv. Minorities Development Board of Maharashtra.



K.B.C.N.M. University, Jalgaon
Syllabus for T.Y.B.A. (C.B.C.S. Pattern)

Political Science, Semester V

Paper Code : DSC-1 E Indian Political Thinker Part - I [w.e.f. June 2020]

Credit: 03
Lectures: 52

Total Marks: 100
Internal: 40
External: 60

Course Objective:

This is an introductory paper to the concept ideas and theories developed in India. It deals with the main sources of the political traditions in modern India and focusses the development of social Institution and as various patterns of politics that emerged in modern India. This course will encourage students to understand and decipher the diverse and often contesting ways in which the ideas of nationalism, democracy and social transformation were discussed in Pre- and Post-independence India. The main objective to study this paper is to understand key thinker's seminal contribution to the evolution of political theorizing in India.

CHAPTER 1: Dadabhai Naoroji

- i) Political Thought – Liberalism.
- ii) British Government Criticism and Loyalty or faith.
- iii) Thought of Economic, Eco- drain and Moral Exploitation Theory.
- iv) Views on Indian Swarajya.
- v) Architect of Indian Nationalism Evaluation.

CHAPTER 2: Lokmanya Tilak

- i) Political Thought.
- ii) Chatusutri.
- iii) Views on Social Reform.
- iv) Thought on Congress Party, Homerule, Contestant Co- Operation and Revolutionary.
- v) Role of Indian Freedom Movement, Evaluation.

CHAPTER 3: Mahatma Gandhi

- i) Views on Truth and Non-Violence.
- ii) Satyagraha, Means and End.
- iii) Views on Religion and Spiritualisation of Politics.
- iv) Untouchability, Communal Unity.
- v) Views on State, Trusteeship theory, Evaluation.



K.B.C.N.M. University, Jalgaon
Syllabus for T.Y.B.A. (C.B.C.S. Pattern)

Political Science, Semester VI

Paper Code : DSC-1 F Indian Political Thinker Part - II [w.e.f. June 2020]

Credit: 03
Lectures: 52

Total Marks: 100
Internal: 40
External: 60

Course Objective:

This is an introductory paper to the concept ideas and theories developed in India. It deals with the main sources of the political traditions in modern India and focusses the development of social Institution and as various patterns of politics that emerged in modern India. This course will encourage students to understand and decipher the diverse and often contesting ways in which the ideas of nationalism, democracy and social transformation were discussed in Pre- and Post-independence India. The main objective to study this paper is to understand key thinker's seminal contribution to the evolution of political theorizing in India.

CHAPTER 1: Vinayak Damodar Savarkar.

- i) Thought of Hindu Nationalism & Internationalism.
- ii) Thought on Indian Freedom, Revolution, Ahinsa and Militarism.
- iii) Thought of Social Reforms.
- iv) Saftshrunkalas.
- v) Views on Hindu Modernization.

CHAPTER 2 : Dr. Babasaheb Ambedkar.

- i) Indian Constitution and Constitutionalism.
- ii) Thought on Social and Political Democracy.
- iii) Critique of Caste System.
- iv) Views on Marxism.
- v) Views on State Socialism, Evaluation.

CHAPTER 3 : Pandit Jawaharlal Nehru

- i) Views on Democracy.
- ii) Views on Democratic Socialism.
- iii) Ideas on Planning and Development.
- iv) Thought on Non-Alignment, Panchsheel, World Peace.
- v) Architect of Modern India Evaluation.



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Under Faculty of Science and Technology

S.Y.B.A. SEMESTER- IV

New Syllabus (CBCS Pattern)

(with effect from: June 2019)

DSC-D (Gg. 241): HUMAN GEOGRAPHY

Total Credits – 2

Total Clock Hours – 45

Internal Marks - 40

External Marks – 60

Unit No.	Unit	Sub Unit	Hours	Marks
1	Practical Component	<p>Practical Component <i>(Every candidate shall complete the 04 practicals prescribed in the practical component or candidates also perform any practical apart from following practicals from practical component related to concerned course based on regional requirement or importance with the prior permission of course teacher. (Overall 04 practicals must be performed)</i></p> <ol style="list-style-type: none"> 1. Calculate child women ratio of the District/Tahsil/Village. 2. Age Sex pyramid 3. Dependency ratio 4. Population growth rate 5. Density of population 6. Fertility rate 7. Mortality rate 8. Study of settlement of any region (Size, Location, Work etc.) 9. Study of health facilities of tribal people 10. Study of mode of life of local tribes 11. Distribution of population 12. Occupational structure 13. Educational structure 14. Socio-economic condition of local area 15. Economic status according to income 	30	
2	Introduction to Human Geography	<ol style="list-style-type: none"> 1. Definitions, Nature and Scope of Human Geography. 2. Branches of Human Geography 3. Determinism and Possibilism 4. Stop and Go Determinism 	05	15
3	The Race of Mankind, Religion and Language	<ol style="list-style-type: none"> 1. Meaning and definition of race 2. Physical basis of racial groups 3. Classification of World Races (Caucasoid, Mongoloid, Negroid, Australoid) 4. Ethnic groups in India. 5. Major religion in the world and their distribution 6. Major languages in India (Hindi, Marathi, Gujrathi and Tamil) 		



4	Population and Settlement	A) Population: 1. Factors affecting population distribution 2. Distribution of population and growth of Population: Global and National	05	20
		B) Settlement: 1. Definitions of Rural and Urban Settlement 2. Types of Settlements: Rural & Urban 3. Process of Urbanization 4. Patterns of Rural Settlement.		
Total			45	60

Instructions:

I. Nature of Practical Exam. (Internal Practical Test Exam):-

Practical Exam is of 40 marks (Internal Exam) in each semester. ---

A. Submission of Practical journal = 20 Marks (Each Practical 05 Marks (4×5=20))

B. Oral Exam (at semester end) = 15 Marks

C. Attendance & Behavior = 05 Marks

Total = 40 Marks

2. *Every candidate shall complete the 04 practicals entering these practicals in the laboratory journal, which shall be produced at the time of Internal test exam along with the certificate sign by course teacher, head of the department and Principal of the concern college.*
3. *Practical examination (Internal Test Exam) is to be conducted at the end of the semester prior to the 15 days before theory exam.*
4. *U.A. Question Paper should be based on Unit No. II, III and IV only.*

University Assessment (U.A.)	60
College Assessment (C.A.) (Internal Practical Test Exam)	40

Reference Books:

1. Barrett H. R., 1995: Population Geography, Oliver and Boyd.
2. Carter Harold (1977): The study of Urban Geography
3. Clarke, J.I. (1992): Population Geography, Pergamon Press, Oxford.
4. Hans Raj (1978): Fundamentals of Demography
5. Hornby, F. William and Jones, M. (1987): An Introduction to Population Geography, Cambridge University Press, Cambridge.
6. Hudson F.S. (1976): Geography of Settlements
7. Liensdor, J. M. (1997): Techniques in Human Geography, Routledge.
8. Majid Husain, Human Geography,
9. Michael E. and E. Hurse: Transportation Geography



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Under Faculty of Science and Technology

S.Y.B.A. SEMESTER- III

New Syllabus (CBCS Pattern)

(with effect from: June 2019)

Gg. 232 (DSE 1 A): GEOGRAPHY OF TOURISM

Total Credits – 3.

Total Clock Hours – 45

Internal Marks - 40

External Marks – 60

Objectives

1. To develop and communicate basic conceptual frame work of Geo Tourism.
2. To realize its potentials and against achieved in the Indian context.
3. To understand the various Geo tourism.
4. To know the role and responsibilities, economic growth of Tourism industry in India.
5. To evaluate the role of various organization of tourism.
6. To know the importance of the sustainable tourism.
7. To develop Socio cultural aspects for the Tourism geography.

Sr. No.	Topic	Sub Topics	Hours	Marks
1	Introduction to Tourism Geography	(A) Introduction to Tourism Geography i) Concept of Tourism, ii) Definition of tourism, iii) Nature and scope of tourism geography, iv) Role of geography in tourism, v) Components and characteristics of tourism geography. (B) Factors affecting on Tourism. 1) Physical – i) Relief, Beaches, Waterfall, Mountain & Hot – spring ii) Climate – Hill station, Health resort iii) Vegetation – National park, Sanctuaries 2) Cultural – i) Religious and pilgrim centres ii) Historical monuments iii) Archaeological sites. 3) Economic – i) Accommodation ii) Transportation	12	16



2	Recent Trends and Types of Tourism	A) Regional Tourism; i) Domestic- (India) a) Geographical (Hill Station)- Darjeeling b) Historical- Ajanta c) Educational- Kolkata & Pune d) Beaches- Goa ii) Eco-tourism –Sanctuaries, Forts Capital & historical places and national park (M.P., Gujarat & Maharashtra) iii) Sustainable Tourism - Agro tourism, heritage tourism & Adventure tourism B) Role of MICE (Meetings, Incentives, Conventions and Exhibitions) in Tourism C)Types of Tourism: Cultural Tourism, Medical Tourism, Pilgrimage & Eco tourism	10	16
3	Impact of Tourism	A) Economy – i) Employment ii) Increased trade iii) Inflation of land values iv) Increased revenue v) Effect of foreign exchange B) Society – i) Regional language ii) Cultural change iii) Crime & gambling iv) Establish new colonies C) Environment – i) Land ii) water iii) Noise iv) Air	12	14
4	Tourism in India	A) National tourism policy in India B) Infrastructure & support system for tourism C)Tourism development in Konkan region D)Tourism development in Khandesh region: case study of Patna Devi, Toranmal and Pal.	11	14

Weightage of Marks

Unit No	Marks	Hours
1	16	12
2	16	10
3	14	12
4	14	11
University Exam	60	-
Internal examination	40	-



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

New Syllabus (CBCS Pattern) W.E.F June 2020

TYBA Sem.: V

Gg. 351 (DSC 1E) Environmental Geography

Total Marks: 60

Credit Points: 03

Total Clock Hours: 45

Objectives:

1. To create the environmental awareness amongst the students.
2. To acquaint the students with fundamental concepts of Environmental Geography.
3. To aware the students about the processes and patterns in the natural environment.
4. To acquaint the students with potentials of Environmental Geography.
5. To aware the students about use of resources with prudence.
6. To acquaint the students with different environmental policies.

Units	Topic	Sub Topics	Clock Hours
1	Introduction to Environmental Geography	1.1) Introduction to Environment: a) Meaning and Concept b) Environmental Geography: Definitions, Nature and Scope of Environment Geography 1.2) Environmental Approaches : a) Environmental Deterministic Approach b) Possibility Approach c) Ecological Approach	10
2	Ecosystem and Man and Environment Relationship	2.1) Ecosystem: a) Meaning and Concept b) Structure & Components of Ecosystem: i) Abiotic ii) Biotic c) Functions of Ecosystem :i)Nutrient Cycles a) Carbon Cycle b) Nitrogen Cycle i i)Energy Flow a)Food Chain b) Food web 2.2) Human - Environment Relationship : Human life in- i) Equatorial Region ii)Mountainous Region iii) Coastal Region	12



<p style="text-align: center;">3</p>	<p style="text-align: center;">Biodiversity and Environmental Problems</p>	<p>3.1) Biodiversity: Definitions and Types / Levels of Biodiversity a) Genetic Diversity b) Species Diversity c) Ecosystem Diversity</p> <p>3.2) Conservation of Biodiversity: In –situ and Ex-situ conservation of biodiversity</p> <p>3.3) Major Environmental Problems: Causes and adverse effects of the following i) Unseasonal rainfall, ii) Thunderstorms iii) Biodiversity losses iv) Solid waste v) Liquid waste and vi) Air Pollution</p> <p>3.4) Environmental Management regarding Pollution Control- a) Air b) Water</p>	<p style="text-align: center;">12</p>
<p style="text-align: center;">4</p>	<p style="text-align: center;">Environmental Policy</p>	<p>4.1) National Environmental Policy (NEP): Introduction and Objective</p> <p>4.2) Initiatives or Actions Regarding Policy: i) Land Degradation ii) Forest and Wildlife Conservation</p> <p>4.3) Environmental Protection Efforts: - Developing and Developed Countries.</p>	<p style="text-align: center;">11</p>

Unit No.	Weightage of Marks
1	12
2	18
3	18
4	12
University Assessment	60
College Assessment	40



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

New Syllabus (CBCS Pattern) W.E.F June 2020

TYBA Sem.: V

Gg. 352 (DSE 3A) Economic Geography

Total Marks: 60

Credit Points: 03

Total Clock Hours: 45

Objectives:

1. To acquaint the students with the knowledge of economic realm in the world.
2. To highlight the different economic activities.
3. To study mineral and power resources in the specific regions of the world.

Unit	Topic	Sub-Topics	Clock Hours
1	Introduction to Economic Geography	1.1 Definitions , Nature and Scope 1.2 Approaches (Regional Approach, Commodity Approach and Principle Approach) 1.3 Concept of Economic Geography	10
2	Economic Activities and Types of Agriculture.	2.1 Meaning of Economic Activities 2.2 Types of Economic Activities- Primary, Secondary, Tertiary and Quaternary activities with Suitable Examples and Characteristics 2.3 Types of Agriculture: Intensive Subsistence and Commercial Dairy Farming and Plantation Agriculture.	12
3	Theories and Models	3.1 Weber's Theory of Industrial Location 3.2 Rostow's Model of Economic Development	10
4	Minerals, Industries and Trade	4.1 Minerals : Distribution and Production of Iron Ore and Coal in USA and India 4.2 Industries : i. Factors of Location of Industries ii. Production and Distribution of Industries like a. Cotton Textile Industries in Japan and India. b. Sugar Industries in India and Special Reference to Maharashtra State.	13



	4.3 Trade : i. Types of Trade : National and International Trade. ii. Factors Affecting the International Trade. iii. India's Foreign Trade	
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Unit No.	Weightage of Marks
1	15
2	15
3	15
4	15
University Assessment	60
College Assessment	40

REFERENCES:

English Medium -

1. Economic Geography : John and Darkanwald.
2. Economic Geography : Alexander
3. Economic Geography : Mrs. P.N.Padey, NiraliPrakashan, Pune.
4. Alexander J. W., 1963: Economic Geography, Prentice-Hall Inc. Englewood Cliff, New Jersey
5. Bagchi-Sen S. and Smith H. L., 2006: Economic Geography: Past, Present and Future. Taylor and Francis.
6. Coe N. M., Kelly P. F. and Yeung H. W. 2007: Economic Geography: A Contemporary
7. Combes P., Mayer T. and Thisse J. F. 2008: Economic Geography: The Integration of Regions and Nations, Princeton University Press.
8. DurandL., 1961: Economic Geography, Crowell.
9. Hodder B. W. and Lee R. 1974: Economic Geography, Taylorand Francis,
10. Wheeler J. O., 1998: Economic Geography Wiley.
11. Willington D, E., 2008: Economic Geography, Husband Press.

Marathi Medium -

1. ParyavarannaArthikKriya : Dr. S. R. Chaudhari
2. ArthikBhugol : Prof.S.P.Pathak
3. ArthikBhugol : Prof.Ahirrao, Prof.Alizad, Prof.Dhapte
4. ArthikBhugolDr.V.T.Gharpure, PimpalpuraPrakashan, Nagpure.
5. ArthikvaWyapariBhugol : Prof. Karmarkar, Gupte, Paranjape, Nasik



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
New Syllabus (CBCS Pattern) W.E.F June 2020

TYBA Sem.: V

Gg. 353 (DSE 4A) Practical in Human Geography and Geo-Statistics.

(Work load - 06 Periods per week per batch of 12 students)

Total Marks: 60

Credit Points: 03

Total Clock Hours: 90

Objectives:

- To introduce the practical approach of Human Geography.
- To introduce the importance of statistical techniques in Human Geography.
- To introduce some basic research methods to the students.

Unit	Topic	Sub-topics	Clock Hours
I	Practical in Population Geography	1.1 To Calculate the Following Indicators of Population Distribution: 1. Population Growth Rate 2. Sex Ratio 3. Density of Population: • Arithmetic Density 1.2 Measures of Fertility and Mortality: 1. Crude Birth Rate 2. Mortality Rates: Crude Death Rate and Infant Mortality Rate. (Calculate each two examples of each.)	25
II	Practical in Agricultural Geography	2.1 Crop Combination (Weaver's Method) 2.2 Crop Concentration By Bhatia's Method 2.3 Crop Diversification By Bhatia's Method (Calculate two examples of each)	30
III	Introduction To Geo-statistics	3.1 Importance of Statistical Techniques in Geography. 3.2 Sources of Geographical Data : 1) Primary Sources 2) Secondary Sources 3.3 Definitions of Frequency, Frequency Distribution and Cumulative Frequency. 3.4 Measures of Central Tendency: Mean, Median, Mode	10



IV	Data Analysis	4.1 Measures of Dispersion: 1) Mean Deviation 2) Standard Deviation 3) Quartile Deviation. 4.3 Chi-Square Test (X^2 Test)	25
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Weightages of Marks	
Units	Marks
1	15
2	10
3	15
4	10
Journal and Viva Voce	10
Total	60
University Assessment	60
College Assessment	40

REFERENCES:

1. Acevedo, M.F. 2012. Data Analysis and Statistics for Geography, Environmental Science and Engineering, CRC Press.
2. Harris, R., Jarvis, C. 2011. Statistics for Geography and Environmental Science, Prentice Hall.
3. Mc Grew Jr., J.C., Lembo Jr., A.J., Monroe, C.B. 2014. An Introduction to Statistical Problem Solving in Geography, 3rd ed, Waveland Press.
4. Pal S. K., 1998. Statistics for Geoscientists: Techniques and Applications, Concept Pub Co.
5. Rogerson, P.A. 2015. Statistical Methods for Geography: A Student's Guide, 4th ed, Sage.
6. Sarkar, A. 2015. Practical Geography: A Systematic Approach, 3rd ed, Orient Blackswan.
7. मुलभूत सांखिकी - प्रा. राम देशमुख. विद्या प्रकाशन, नागपूर
8. सांखिकी भूगोल . डॉ. प्रवीण सप्तर्षी. निराली प्रकाशन, पुणे



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

New Syllabus (CBCS Pattern) W.E.F June 2020

TYBA Sem.: VI

Gg. 361 (DSC 1F) Population Geography.

Total Marks: 60

Credit Points: 03

Total Clock Hours: 45

Objectives;

1. Understand the components of population change.
2. Develop skills to use population information in the planning process.
3. Understand the impact of planning activities on population size, composition, and distribution
4. Population is an important resource. The development of any nation is depends on human resource. It is a prime deity to acquaint with the human resource of the nation.
5. To understand the recent problems of population in the world as well as nation.

Sr. No.	Topic	Sub Topics	Clock Hours
1	Introduction to Population Geography & Population Data	1.1 Definitions and Meaning of Population Geography 1.2 Nature and Scope of Population Geography. 1.3 a) Need and Types of Population Data b) Sources of Population Data – i) Census ii) National Sample Survey iii) Vital Registration	09
2	Distribution of Population	2.1 Growth of Population in India 1951-2011. 2.2 Distribution of Population – World and India(2011). 2.3 Factors affecting the distribution of Population – a) Physical- i) Topography ii) Climate iii) Water iv) Soil v) Forest b) Socio-Cultural – i) Religion ii) Agriculture iii) Transportation i v) Education v) Government policies	12
3	Composition of Population and Population	3.1 Composition of Population : a) Age Composition (Meaning and Factors affecting age Composition, Age Pyramid) b)Sex Composition in India	12



	Theories	c) Decreasing Sex ratio and its impact d) Literacy in India (1951 to 2011) 3.2 Population Theories : a) Malthusian Theory of Population Growth b) Demographic Transition Model	
4	Population Problems in India & Population Policy	4.1 Problems of Population in India and Its remedial measures a) Over Population b) Brain Drain c) Excess Urbanization 4.2 National Population Policy in India - 2000	12

Sr. No.	Unit No.	Weightage of Marks
1	1	14
2	2	16
3	3	16
4	4	14
University Assessment		60
College Assessment		40

REFERENCES:

- 1) Chandana,R.C. and Janjit S. S.(1980): Introduction to Population Geography ,Kalyani Publishers,New Delhi
- 2) Clarke J.I.(1977):Population Geography and Developing Countries ,Robert Maxwell, MC.
- 3) Masjid Husain (1991) Anmol Publication Ltd. New Delhi
- 4) Mohammand Izhar Hussan : Population Geography. Rawat Publication
- 5) Sawant S.B. and Athawale A.S. (1994) : Population Geography , Mehata Publishing House , Pune
- 6) V.J.Patil And S.V.Dhake : Loksankhya Bhugol (Marathi Medium) , Prashant Publication , Jalgaon
- 7) Ahirro, Alizad and others : Loksankhya Bhugol (Marathi Medium)
- 8) V.T. Gharpure : Loksankhya Bhugol (Marathi Medium) Pimpalpure Publication , Satara.
- 9) T.N. Goplap , Nishikant : LoksankhyaBhugol (Marathi Medium) Prashant Publication, Jalgaon
- 10) A.B.Sawadi : Loksankhya Bhugol (Marathi Medium) The Savadis Mega Geographical Series





North Maharashtra University, Jalgaon

Syllabus for

FYBA

PSYCHOLOGY

Under the Faculty of Humanities

(With effect from June 2018)

CHOICE BASED CREDIT SYSTEM (CBCS)

Core Course Psychology

Semester- I

Course Title: Foundations Of Psychology (Psy- 101)

Course Code:-CCPSY-I

Credit :- 3

Total Period- 60

Total Marks-100

External Marks- 60

Internal Marks- 40

Objectives-

1. To impart knowledge of the basic concepts and modern trends in Psychology.
2. To relate the fundamental principles of Psychology in everyday life.
3. To make the students aware of the applications of Psychological concepts in various fields.

Unit- 1. Introducing Psychology (20)

- A. Psychology: Definition and Nature, Psychology As a Science
- B. Schools Of Psychology- Structuralism, Functionalism, Behaviorism, Gestalt, Cognitive.
- C. Branches of Psychology - Clinical, Industrial, Counselling, Social, Developmental, Educational.
- D. Methods Of Psychology – Observational, Experimental, Survey
- E. Career In Psychology, Psychology In India.

Unit- 2. Cognitive Process (20)

- A. Attention- Definition, Types and Determinants.
- B. Perception - Definition, Nature, Laws Of Perceptual Organization
- C. Conditioning- Classical & Operant, Observational Learning
- D. Memory- Definition, Types And Memory Improvement Techniques
- E. Emotion- Definition, External Expression of Emotions, Emotional Intelligence

Unit- 3. Motivation Personality And Intelligence (20)

- A. Motivation- Definition, Motivation Cycle, Biological Motives- -Hunger, Thirst, Sex
- B. Personality - Definition, Misconception of Personality.
- C. Theories Of Personality - Allport, Cattell, Neo-FFI-3
- D. Intelligence - Definition And Basic Concepts (CA, MA, IQ)
- E. Theories Of Intelligence - Guilford And Sternberg



Core Course Psychology

Semester- II

Course Title: Introduction To Social Psychology (Psy-201)

Course Code:-CCPSY-I

Credit :- 3

Total Period- 60

Total Marks-100

External Marks- 60

Internal Marks- 40

Objectives-

1. To understand the basics of social psychology and to understand the individual in the social world.
2. To make the students aware of the applications of the various concepts in Social Psychology in the Indian context.

Unit- 1. Introduction To Social Psychology (20)

- A. Definition And Nature Of Social Psychology
- B. Brief History Of Social Psychology (Special Emphasis On India)
- C. Scope Of Social Psychology, Levels Of Social Behavior
- D. Approaches Toward Understanding Social Behavior
- E. Pro social Behavior

Unit- 2. Individual Level Processes (20)

- A. Difference between Social Cognition & Social Perception.
- B. Theories of attribution: Theory of Correspondent Inference and Kelly's theories of Causal Attributions
- C. Attitude: Definition, components, Dimensions and formation of attitude
- D. Self –Concept: - The Nature of the Self – Concept, Our sense of Self, Development of social self.
- E. Aggression:- Meaning & Nature of Aggression, Prevention & Reducing Aggression

Unit- 3. Group Dynamics (20)

- A. Groups: When we join and when we leave, The benefits of joining
- B. Cooperation and Conflict
- C. Conformity ; Factors affecting Conformity
- D. Obedience & Authority
- E. Locus of control, Increasing our helping nature.



K.B.C. North Maharashtra University, Jalgaon
Syllabus for S.Y.B.A. Psychology
[Discipline Specific Core Course- DSC-C (02)]
SEMESTER- III

Subject- Human Developmental Psychology- Early Life (PSY 231 C)

Total marks = 60 Theory + 40 Practical
Credit = 02

Periods – 60
Clock Hour Period -45

Objectives :

1. To equip the learner with an understanding of the concept and process of human development across the life span.
2. To impart an understanding of the various domains of human development.

Chapter- I -Introduction to Human Development

Periods - 15

- 1.1 The Concept Of Human Development: Definition, Domains of Development, Basic Issue In Life Span Development.
- 1.2 The Life Span Perspective : Development as Lifelong, Development as Multidimensional & Multidirectional, Development as Plastic, Development as Embedded in Multiple Contexts.
- 1.3 Theories on Development : Freud-Psychoanalytical, Erikson- Psychosocial, Piaget- Cognitive Development.
- 1.4 Designs for Studying Development : Longitudinal, Cross-Sectional, Sequential .
- 1.5 Human Development in Indian Context.

Chapter- II- Prenatal Development, Birth and Toddlerhood

Periods - 15

- 2.1 Genetic Foundation : Genetic Code, Sex Cells, Multiple Births, Pattern of Genetic inheritance, Genetic Counseling.
- 2.2 Prenatal Development : Conception, Period of the Zygote, Period of the Embryo, Period of the Fetus.
- 2.3 Childbirth: The Stages of Childbirth, Types of births, Complications of Childbirth.
- 2.4 Physical Development in Infancy and Toddlerhood : Body Growth, Influences on Early Physical Growth, Motor Development
- 2.5 Cognitive, Social & Emotional Development in Infancy and Toddlerhood: Piaget's Theory, Erikson's Theory, Emotional Development, Development of Attachment.

Chapter- III- Early and Middle Childhood

Periods - 1

- 3.1 Physical Development : Body Growth, Common Health Problems, Motor Development and Play
- 3.2 Cognitive & Language Development: Piaget's Theory, Vocabulary, Grammar, Pragmatics
- 3.3 Emotional Development : Understanding Emotion, Emotional Self- Regulation, Self-Conscious Emotions, Empathy
- 3.4 Social Development: Erikson's Theory, Self- understanding, Peer relations, Family influences
- 3.5 Parenting Style, Children with Disabilities.



K.B.C. North Maharashtra University, Jalgaon

Syllabus for S.Y.B.A. Psychology

[Discipline Specific Core Course- DSC- D]

SEMESTER- IV

Subject- Human Developmental Psychology- Later Life (PSY - 241 D)

Total marks = 60 Theory + 40 Practical

Periods – 60

Credit = 02

Clock Hours Period -45

Objectives of Syllabus

1. Introduce students to the concepts, theories, and research which define this discipline of psychology.
2. Develop the students' capability for connecting discipline content to personal values and behaviour.
3. Provide an understanding of the explain issues underlying lifespan development.

Chapter- I -Adolescence

Periods – 15

- 1.1 Puberty :- The physical transition to Adulthood: Hormonal change, Body Growth, Sex maturation.
- 1.2 The psychological impact of pubertal events : Reaction to puberty change, Early Vs. late maturation
- 1.3 Health issues: Nutritional needs, eating disorder, sexual activities, STD, Teenage pregnancy
- 1.4 Cognitive Development : Piaget's theory, Erikson's theory : Identity vs. identity confusion, Self understanding: change in self concept, Self esteem, Identity status.
- 1.5 The family relations, peer relations, problems of development, depression, suicide & delinquency.

Chapter- II- Early Adulthood

Periods – 15

- 2.1 Health and fitness: Nutrition, Exercise, Substance Abuse, Psychological Stress
- 2.2 Vocational Choice : Selecting vocation, Factors influencing vocational choice, Establishing a career women & ethnic minorities , combining work and family.
- 2.3 Erikson's theory: Intimacy vs. Isolation, Close relationship, Romantic love, Friendship, Loneliness
- 2.4 Family life cycle : Living home, marriage, parenthood,
- 2.5 Diversity of Adult Life styles : single hood, cohabitation, childlessness, Infertility causes & techniques

Chapter - III- Middle & Late Adulthood

Periods – 15

- 3.1 Health & Fitness of midlife : Sexuality, Illness, Hostility & Anger, Adaptive the physical challenges: Stress management , Exercise an optimistic outlook
- 3.2 Erikson's Theory- Generativity vs. Stagnation, Stability & Change in Self Concept & Personality
- 3.3 Relationship at Midlife: Marriage & Divorce , Changing Parent Child Relationships, Grandparenthood, Middle age Children & Their Aging Parents, Siblings, Friendships
- 3.4 Late Adulthood: Nature, Physical Changes, Health, Fitness & Disabilities. Erikson's Theory- Ego integrity vs. Despair.
- 3.5 Relationship in Late Adulthood: Relationship with Adult Children, Grand Children. Retirement and Leisure : The Decision to Retire, Adjustment to Retirement, Leisure Activity.



K.B.C. North Maharashtra University, Jalgaon
Syllabus for T.Y.B.A. Psychology
[Discipline Specific Core Course- DSC-2E (03)]
SEMESTER- V

Subject- Management of Interpersonal Relations (PSY 351)

Total marks = 60 Theory + 40 Internal
Credit = 03

Periods – 60
Clock Hour Period -45

Objectives:

1. To develop the skills of positive interpersonal communication.
2. To impart an understanding of the various domains of human relationships and process adjustment.
3. To develop the good decision making to career choice.

Unit – I- Interpersonal Communication

[Periods- 20]

- 1.1 The Process of Interpersonal Communication- Components of the Communication Process, Technology and Interpersonal Communication, Communication and Adjustment.
- 1.2 Towards More Effective Communication- Creating a Positive Interpersonal Climate, Conversational Skills, Self-Disclosure, Effective Listening.
- 1.3 Communication Problem- Communication Apprehension, Barriers to Effective Communication.
- 1.4 Interpersonal conflict- Beliefs about Conflict, Types of Conflict, Styles of Managing Conflict, Dealing Constructively with Conflict, Public Communication in an Adversarial Culture.
- 1.5 Developing an Assertive communication style- The Nature of Assertiveness, Steps in Assertiveness Training.

Unit- II -Friendship, Love, Marriage and Intimate Relationship

[Periods- 22]

- 2.1 Perspectives on Close Relationships- The Ingredients of Close Relationships, Culture and Relationships, the Internet and Relationships. Initial Attraction and Relationship Development- Initial Encounters, Getting Acquainted, Established Relationships.
- 2.2 Romantic Love- Sexual Orientation and Love, Gender Differences Regarding Love, Theories of Love The Course of Romantic Love. Overcoming loneliness- The Nature of Loneliness, Prevalence of Loneliness, the Roots of Loneliness, Correlates of Loneliness, Conquering Loneliness.
- 2.3 Challenges to the Traditional Model of Marriage, Moving Toward Marriage- The Motivation to Marry, Selecting a Mate, Predictors of Marital Success.



- 2.4 Marital Adjustment across the Family Life cycle- Between Families: The Unattached Young Adult, Joining Together: The Newly Married Couple, Family with Young Children, Family with Adolescent Children, Launching Children into the Adult World, the Family in Later Life. Vulnerable Areas in Marital Adjustment- Gaps in Role Expectations, Work and Career Issues, Financial Difficulties, Inadequate Communication. Divorce- Increasing Rate of Divorce, Deciding on a Divorce, Adjusting to Divorce, Effects of Divorce on Children, Remarriage.
- 2.5 Application Understanding Intimate Violence- Date Rape, Partner Abuse.

Unit – III- Career and Work

[Periods- 18]

- 3.1 Choosing a career- Examining Personal Characteristics and Family Influences, Researching Job Characteristics, Using Psychological Tests for Career Decisions, Taking Important Consideration into Account.
- 3.2 Models of career choice and Development - Holland’s Trait Measurement and Matching Model, Super’s Developmental Model, Women’s Career Development.
- 3.3 Coping with occupational Hazards- Job Stress, Sexual Harassment, Unemployment.
- 3.4 Balancing (Work and Other Spheres of Life)- Workaholism, Work and Family Roles, Leisure and Recreation.
- 3.5 Application Getting Ahead in the Job Game -Putting Together A Résumé, Finding Companies You Want to Work For, Landing an Interview, Polishing Your Interview Technique.

Examination Pattern

Internal Examination: - 40 Marks (College Level)

Internal -I	Internal –II	Attendance& Performance	Total
15	15	10	40

External Examination: - 60 Marks (University Level)

Books for Reading

- Berk L.E.(2007) Development Through Life Span,3rd Edition, Pearson Education.
 Labhane C. P; Sontakke J. P; and Savdekar S. V (2015) Positive Psychology, Prasant Publication.
- Weiten W; and Lloyd M.A(2006) Psychology Applied to Modern Life: Adjustment in the 21st Century, Eighth Edition, Thomson Wadsworth Publication.

सावदेकर एस. व्ही आणि दांडगे एम. आर. (२०१९) २१व्या शतकातील समायोजन मानसशास्त्र, ज्ञानपत्र प्रकाशन.



K.B.C. North Maharashtra University, Jalgaon
Syllabus for T.Y.B.A. Psychology
[Discipline Specific Core Course- DSC-2F (03)]
SEMESTER- VI

Subject- Adjustment in life span (PSY 361)

Total marks = 60 Theory + 40 Internal
Credit = 03

Total Periods – 60
Clock Hour Period -45

Objectives:

1. To impart an understanding of the self-concept and self-esteem.
2. To develop the skills of coping with stress.
3. To understanding the effect of habit to lifestyle.

Unit - I - The Self

[Periods- 18]

- 1.1 Self Concept- The Nature of the Self-Concept, Self-Discrepancies, Factors Shaping the Self-Concept.
- 1.2 Self Esteem- The Importance of Self-Esteem, The Development of Self-Esteem, Ethnicity, Gender, and Self-Esteem.
- 1.3 Basic Principles of Self Perception- Cognitive Processes, Self-Attributions, Explanatory Style, Motives Guiding Self-Understanding, Methods of Self-Enhancement.
- 1.4 Self- Regulation- Self-Efficacy, Self-Defeating Behaviour.
- 1.5 Self Presentation - Impression Management, Self-Monitoring, Building Self-Esteem.

Unit – II- Stress and Its Effects

[Periods- 22]

- 2.1 The nature of Stress- Stress Is an Everyday Event, Stress Lies in the Eye of the Beholder May Be Embedded in the Environment, Stress May Be Self-Imposed, Stress Is Influenced by Culture.
- 2.2 Major types of Stress- Frustration, Conflict, Change, Pressure.
- 2.3 Responding to Stress- Emotional Responses, Physiological Responses, Behavioural Responses.
- 2.4 The Potential Effects of Stress - Impaired Task Performance, Disruption of Cognitive Functioning, Burnout, Posttraumatic Stress Disorders, Psychological Problems and Disorders, Physical Illness, Positive Effects.
- 2.5 Factors Influencing Stress Tolerance- Social Support, Hardiness, Optimism.
Monitoring Your Stress- Problems with the SRRS, The Life Experiences Survey.



- 3.1 The Nature of Constructive Coping, Common Coping Patterns of Limited Value- Giving Up, Striking Out at Others, Indulging Yourself, Blaming Yourself, Using Defensive Coping.
- 3.2 Appraisal-Focused constructive coping- Ellis’s Rational Thinking, Humor as a Stress Reducer, Positive Reinterpretation.
- 3.3 Problem Focused Constructive Coping - Using Systematic Problem Solving, Seeking Help, Using Time More Effectively, Improving Self-Control.
- 3.4 Emotion Focused Constructive Coping- Enhancing Emotional Intelligence, Releasing Pent-Up Emotions, Managing Hostility and Forgiving Others Meditating, Using Relaxation Procedures.
- 3.5 Achieving Self-Control- Specifying Your Target Behavior, Gathering Baseline Data, Designing Your Program, Executing and Evaluating Your Program, Ending Your Program

Examination Pattern

Internal Examination: - 40 Marks (College Level)

Internal -I	Internal –II	Attendance& Performance	Total
15	15	10	40

External Examination: - 60 Marks (University Level)

Books for Reading

Berk L.E.(2007) Development Through Life Span,3rd Edition, Pearson Education.

Labhane C. P; Sontakke J. P; and Savdekar S. V (2015) Positive Psychology, Prasant Publication.

Weiten W; and Lloyd M.A(2006) Psychology Applied to Modern Life: Adjustment in the 21st Century, Eighth Edition, Thomson Wadsworth Publication.

सावदेकर एस. व्ही आणि दांडगे एम. आर. (२०१९) २१व्या शतकातील समायोजन मानसशास्त्र, ज्ञानपत्र प्रकाशन.





North Maharashtra University, Jalgaon

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FACULTY OF COMMERCE & MANAGEMENT

F. Y. B.Com – w.e.f.AY 2017-18

SEMESTER: I

Paper: 102 b Local Language – Optional Marathi

60 + 40 Pattern: External Marks 60 + Internal Marks 40 = Maximum Total Marks: 100

Required Lectures: 60

Objectives:

1. To introduce various famous entrepreneurs to commerce students.
2. To develop Marathi reading and linguistic comprehension of students.
3. To improve professional and entrepreneurial attitude of students through success stories.
4. To Acquaint Students with special challenges of starting new ventures
5. To know the qualities to become a successful entrepreneur

Topics Prescribed

No of lectures

- | | |
|------------------------|----|
| 1. जे आर डी टाटा | 20 |
| 2. जी डी बिर्ला | 20 |
| 3. वालचंद हिराचंद दोशी | 20 |

Prescribed Text Book:

बिज़िनेस लिजंड्स - गीता पिरामल - मेहता पब्लिशिंग हाऊस - अनुवाद - अशोक जैन

(Business Legends - by Gita Piramal – Mehata Publishing House)

ISBN13: 81-7766-279-1





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FACULTY OF COMMERCE & MANAGEMENT

F. Y. B.Com – w.e.f.AY 2017-18

SEMESTER: I

Paper: 106 a - Elective - Modern office Management

60 + 40 Pattern: External Marks 60 + Internal Marks 40 = Maximum Total Marks: 100

Required Lectures: 60

Objectives –

1. To understand the concept of office management.
2. To acquire operational skills of office management.
3. To develop the interest in methods and procedures of office management.
4. To know the secretarial procedure.
5. To understand office layout and environment in modern context.
6. To acquire the basic knowledge of office appliances and machines.
7. To understand office system.
8. To acquire knowledge of office meetings and proceedings.

1. Modern Office

Lectures: 10

- 1.1 Office: Meaning, Definition and Features
- 1.2 Traditional and Modern Concept of Office
- 1.3 Characteristics and Functions of Office
- 1.4 Changing Office View: Past, Present & Future

2. Office Management

Lectures: 10

- 2.1 Concept, Definition and Nature
- 2.2 Elements of Office Management
- 2.3 Office Manager: Functions, Duties and Responsibilities
- 2.4 Effective Management Techniques



3. Office Layout

Lectures: 10

- 3.1 Meaning, Definition and Importance
- 3.2 Selection of Office Layout: Objectives and Principles
- 3.3 Office Layout: Component, Advantages and Disadvantages

4. Office System and Procedure

Lectures: 10

- 4.1 Office System: Meaning and Objective of system & Procedure
- 4.2 Flow of Work: Objective, Difficulties in ideal work flow
- 4.3 Measures to improve the flow of Work

4.4. Planning and Scheduling of Office Work

5. Office Environment

Lectures: 10

5.1 Meaning, Definition and Nature

5.2 Factors of good office environment

5.3 Importance of office environment

5.4 Office safety and Remedies

6. Office Record Management

Lectures: 10

6.1 Meaning, Definition, Need, Objective of Office Record

6.2 Organization of Record department

6.3 Classification & Indexing of Records & Files

6.4 Principles – Retention & Disposition of Record

6.5 Paperless Office – Concept, Utility & Feasibility.

Reference Books

1. Office Management - Lefingwell & Robinson
2. Office Organization & Management - R. K. Chopda, & Ankita Chopda, Himalaya Publishing House, Bombay
3. Office Management S P Arora Vikas Publishing New Delhi
4. Office Organization And Management- Reddy & Apponnaiah, Himalaya Publishing House, Bombay
5. Office Management-P.K. Ghosh, Sultan Chand And Son's, New Delhi.
6. Office Organization and Management-C.B.Gupta, Sultan Chand And Son's New Delhi.
7. Office Management - I. M. Sahai, Kitab Mahal, Allahabad.
8. Office Management & Secretarial Practice- Sing S P & Sing B. Gyan Publishing House, New Delhi.
9. Office Management - V Balachandran and V Chandrasekaran, Tata Mc Graw Hill, New Delhi





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FACULTY OF COMMERCE & MANAGEMENT

F. Y. B.Com – w.e.f.AY 2017-18

SEMESTER: II

Paper: 202 b Local Language – Optional Marathi

60 + 40 Pattern: External Marks 60 + Internal Marks 40 = Maximum Total Marks: 100

Required Lectures: 60

Objectives:

1. To introduce various famous entrepreneurs to commerce students.
2. To develop Marathi reading and linguistic comprehension of students.
3. To improve professional and entrepreneurial attitude of students through success stories.
4. To Acquaint Students with special challenges of starting new ventures
5. To know the qualities to become a successful entrepreneur

Topics Prescribed

No of lectures

1. धीरूभाई अंबानी	15
2. राहुल बजाज	15
3. रतन टाटा	15
4. आदित्य विक्रम बिर्ला	15

Prescribed Text Book:

बिज़िनेस महाराजे - गीता पिरामल - मेहता पब्लिशिंग हाऊस ISBN: 8177661256





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FACULTY OF COMMERCE & MANAGEMENT

F. Y. B.Com – w.e.f.AY 2017-18

SEMESTER: II

Paper: 206 a- Elective –Modern Office Management

60 + 40 Pattern: External Marks 60 +Internal Marks 40 = Maximum Total Marks: 100

Required Lectures: 60

1. Office Organization

Lectures: 10

- 1.1 Office Manager: Role , Function , Duties and Responsibilities,
Position and Status of Office Manager
- 1.2 Office Employees: Types , Qualities , Recruitment , Training
- 1.3 Office Enquiries – Procedure – Reparation of Confidential Report
- 1.4 Public Relation Function in office

2. Office Services

Lectures: 10

- 2.1 Meaning, Types & Advantages
- 2.2. Office Services
- 2.3 Office Forms – Objectives, Advantages, Types of Forms, Control and Standardization of Form
- 2.4. Modern Mail Services: Mailing Department, Courier Service, Speed Post, Fax, Tag, Email: Need, Importance, Difficulties.

3. Office Stationery and Supplies

Lectures: 10

- 3.1 Need & Importance of Stationery
- 3.2 Essentials of good System of Regulating Stationery Purchases
- 3.3 Standardization – Issue of Stationery
- 3.4 Regulating Stationery Consumption

4. Office Automation

Lectures: 10

- 4.1 Need, Importance, Scope of Office Automation
- 4.2 Different Types of Office Appliances and machines used in office
- 4.3 Computerization of Office activities: LAN, WAN, Video Conferencing
- 4.4 Maintenance of Records: Pay Roll, Accounting Inventory Statement,
Preparation of Financial Report, Leave accounting & Attendance

5. Secretarial Procedure

Lectures: 10

- 5.1 Role of Secretary – Duties and Various activities
- 5.2 Qualities, Qualification of Secretary
- 5.3 Secretarial Correspondence, Types of Correspondence
- 5.4 Principles of effective correspondence



6. Office Meeting

Lectures: 10

- 6.1 Meaning, Definition, Importance
- 6.2 Purposes and Types of Meetings
- 6.3 Meeting, Essentials of Valid meeting & drafting notices, Agenda & Minutes
- 6.4 Factors of Successful meeting.

Reference Books

1. Office Organization and Management-Arora. S.P. Vikas Publishing House Pvt. Ltd. New Delhi.
2. Office Organization and Management- N.Kumar & R.Mittal, Anmol Publication Pvt.Ltd. New Delhi
3. Fundamental of Office Management- J.P.Mahajan, Pitamber Publishing Co. New Delhi.
4. Office Management-Dr. A H Lokhandwala & V.K.Behere, Nirali Prakashan, Pune.
5. Principles of Office Management-R.C.Bhatia, Lotus Press, New Delhi.
6. Office Methods- M.L. Basu
7. Office Automation- G.R. Terry
8. Office Management & Control- G. R. Terry
9. A Text Book of Office Management- Willian & Robinson



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S.Y. B.Com – w.e.f. AY 2019-20
SEMESTER III

Paper: 306 (a) – Business Entrepreneurship

60+40 Pattern: External Marks 60, Internal Marks 40. Maximum Total Marks: 100

Required Lectures: 60

Objectives

1. To improve the knowledge, skills & competencies of the potential & existing entrepreneurs in various sector.
2. To improve life management skills of children and youth.
3. To provide intellectual resources to youth for their best future.
4. To improve social and economic skills.
5. To provide diverse opportunities for participation.
6. To empower to people to create business opportunities.
7. To boost the Entrepreneurship Development Programme.
8. To boost women and rural entrepreneurship.

Outcomes

- to understand different methods to assess the attractiveness of business opportunities
- to understand what characterizes an attractive business opportunity and common pitfalls during the entrepreneurial process
- to products or services to market
- to understand different methods that can be used to minimize uncertainties at different stages of the entrepreneurial process
- to understand the dynamics of how teams develop and function as well as the various types of conflicts that can arise during teamwork

Utilities

1. Increases agility of firm
2. Increases innovation capital of the firm
3. Strategies emerge from all sides and dependence on top management is reduced.
4. New ideas emerge in-house and can be incorporated without spillage of plans to competitors.
5. Increasing confidence and outlook of the company

UNIT 1. Business Entrepreneurship

[L-10][M-10]

- 1.1 Introduction, meaning, concepts, definition, Nature, Importance of Business Entrepreneurship
- 1.2 Characteristics of Business Entrepreneurship
- 1.3 Function of Business Entrepreneurship
- 1.4 Qualities of Business Entrepreneur
- 1.5 Distinction between an Entrepreneur and a manager

UNIT 2. Types of Entrepreneur

[L-10][M-10]

- 2.1 Classification of entrepreneurship on different basis
 - 2.1.1 Based on the types of business
 - 2.1.2 Based on ownership
 - 2.1.3 Based on Gender
 - 2.1.4 Based on the size of enterprise
 - 2.1.5 Other categories of Entrepreneurs
 - 2.1.6 Based on Clarence danhof classification
 - Innovative entrepreneurs
 - Imitative entrepreneurs
 - Fabian entrepreneurs
 - Drone entrepreneurs



UNIT 3. Identification of Business Opportunity**[L-10][M-10]**

- 3.1 Steps for generating new Business Opportunity
- 3.2 Factors for evaluation business idea and opportunity
- 3.3 Sources of business product idea
- 3.4 Market Survey

UNIT 4. Entrepreneurship Development programmes**[L-10][M-10]**

- 4.1 Meaning of Entrepreneurship Development programmes
- 4.3 Objectives of EDP
- 4.4 Phases of EDP
- 4.5 Process of EDP
- 4.6 lesser known schemes for rural entrepreneurs
- 4.7 Importance of EDP
- 4.8 Methods of Training programme

UNIT 5. Startup India**[L-10][M-10]**

- 5.1 Introduction
- 5.2 Benefits to startups by Indian Government
- 5.3 Action plan key points of startup India
- 5.4 Features of Startup India Campaign
- 5.5 Challenges for Indian Startup
- 5.6 Opportunity for Indian Startup
- 5.7 Characteristic of Startups Entrepreneurship
- 5.8 Popular types of Startup companies from 2014
- 5.9 Exciting plans for Startups

UNIT 6. Stand up India**[L-10][M-10]**

- 6.1 Introduction
- 6.2 Stand up India key features/ Objectives / Aims
- 6.3 Eligibility criteria under stand up India loan scheme
- 6.4 Important facts about standup India scheme
- 6.5 Required documents under stand up India
- 6.6 Process for submission of loan applications
- 6.7 Ways the stand up India scheme could benefit aspiring women and SC/ST entrepreneurs
- 6.8 Stand up India Drawbacks /Disadvantages/ Issues/Challenges
- 6.9 Eligibility criteria under stand up India loan scheme

Reference Books

1. Entrepreneurship Development VOL-I,II,III - Vasant Desai
2. Fundamentals of Entrepreneurship - SangramK.Mohanty, PHI
3. Entrepreneurship Development - S.Anil Kumar, S.C.Poornima, New Age International Publishers
4. Entrepreneurship Development In India - Dr.C.B.Gupta&Dr.N.P. Shrinivasan, Sultan Chan & Co.
5. Entrepreneurship Development - Kuratko&Harloetts, Thompsons Press
6. Business Environment & Entrepreneurship - C.G.Vaidya&P.M.Bhagwat, NarendraPrakashan.
7. Business Environment & Entrepreneurship - Pratibha Joshi &A.G.Gosavi, SuvicharPrakashan.
8. Innovation and Entrepreneurship - Peter F Drucker
9. Entrepreneurship - Donald F Kuratke Thomson Press
10. Entrepreneurship Development - Lall&Sahai :Excell Books
11. Entrepreneurship & Small Scale Business - Dr. M.V. Despande
12. Dynamics For Entrepreneurs - Vasant Desai
13. Entrepreneurship Development - S.S.Khanka ,S.Chand& Co.
14. Entrepreneurial Development - Manish Nora, Anmol Publications



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S.Y. B.Com – w.e.f. AY 2019-20
SEMESTER IV

Paper: 406 (a) – Business Entrepreneurship

60+40 Pattern: External Marks 60, Internal Marks 40. Maximum Total Marks: 100

Required Lectures: 60

Objectives

1. To improve the knowledge, skills & competencies of the potential & existing entrepreneurs in various sector.
2. To improve life management skills of children and youth.
3. To provide intellectual resources to youth for their best future.
4. To improve social and economic skills.
5. To provide diverse opportunities for participation.
6. To empower to people to create business opportunities.
7. To boost the Entrepreneurship Development Programme.
8. To boost women and rural entrepreneurship.

Outcomes

- to understand different methods to assess the attractiveness of business opportunities
- to understand what characterizes an attractive business opportunity and common pitfalls during the entrepreneurial process
- to products or services to market
- to understand different methods that can be used to minimize uncertainties at different stages of the entrepreneurial process
- to understand the dynamics of how teams develop and function as well as the various types of conflicts that can arise during teamwork

Utilities

1. Increases agility of firm
2. Increases innovation capital of the firm
3. Strategies emerge from all sides and dependence on top management is reduced.
4. New ideas emerge in-house and can be incorporated without spillage of plans to competitors.
5. Increasing confidence and outlook of the company

UNIT 1. Entrepreneurial development and Entrepreneurial Environment

[L-10][M-10]

- 1.1 Individual factors
- 1.2 Economic factors
- 1.3 Social factors
- 1.4 Psychological factors
- 1.5 other factors
- 1.6 Challenges before Indian entrepreneurs
- 1.7 Problems of Entrepreneurship

UNIT 2. Women Entrepreneur

[L-10][M-10]

- 2.1 Meaning, Introduction and concept of Women Entrepreneurship
- 2.2 Opportunities for women entrepreneurs
- 2.3 Empowerment of women through enterprise
- 2.4 Characteristics of women empowerment
- 2.5 Empowerment of women through entrepreneurship
- 2.6 Urban entrepreneurship benefits
- 2.7 Problems faced by women entrepreneurs in india
- 2.8 Schemes for women entrepreneurs in india



- 2.9 Government of India support for innovation and entrepreneurship in India
2.10 Women entrepreneur loan schemes in India

UNIT 3. Project report and Government institution [L-10][M-10]

- 3.1 Introduction, Meaning, Concept of Project report
3.2 Importance of Project Report
3.3 DIC, PMEGP, Seed Money Scheme, MIDC, MSFC, SIDBI, MUDRA Scheme, Mahila Udyamnidhi scheme
3.4 Subsidies declared by government for entrepreneur

UNIT 4. Skill India [L-10][M-10]

- 4.1 Introduction
4.2 Objectives, Features of Skill India
4.3 Advantages of Skill India
4.4 Skill India mission
4.5 Skilled covered by Skill India
4.6 Entrepreneurship Development by Skill India

UNIT 5 Make in India [L-10][M-10] 5.1

Introduction

- 5.2 Make in India – Importance of operation management
5.3 Make in India Advantages and Disadvantages
5.4 Make in India scheme
5.5 Make in India benefit of Entrepreneurs.
5.6 Make in India initiative.

UNIT 6 Success Story of Entrepreneurs [L-10][M-10]

- 6.1 Ratan Tata
6.2 Rahul Bajaj
6.3 Aabasaheb Garware
6.4 Kiran Mazumdar Shaw
6.5 Narayan Murthy
6.6 C. K. Prahalad (Coimbatore Kishnarao Prahalad)
6.7 Naveen Jindal
6.8 Malika Shrivastava
6.9 Shudha Murthy
6.10 Azim Premji

Reference Books

1. Entrepreneurship Development VOL-I,II,III - Vasant Desai
2. Fundamentals of Entrepreneurship - Sangram K. Mohanty, PHI
3. Entrepreneurship Development - S. Anil Kumar, S. C. Poornima, New Age International Publishers
4. Entrepreneurship Development In India - Dr. C. B. Gupta & Dr. N. P. Shrinivasan, Sultan Chan & Co.
5. Entrepreneurship Development - Kuratko & Harloetts, Thompsons Press
6. Business Environment & Entrepreneurship - C. G. Vaidya & P. M. Bhagwat, Narendra Prakashan.
7. Business Environment & Entrepreneurship - Pratibha Joshi & A. G. Gosavi, Suvichar Prakashan.
8. Innovation and Entrepreneurship - Peter F. Drucker
9. Entrepreneurship - Donald F. Kuratke Thomson Press
10. Entrepreneurship Development - Lall & Sahai: Excell Books
11. Entrepreneurship & Small Scale Business - Dr. M. V. Deshpande
12. Entrepreneurship Development - S. S. Khanka, S. Chand & Co.
13. Entrepreneurial Development - Manish Nora, Anmol Publications



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Faculty of Commerce and Management

T.Y.B.Com (CBCS) –w.e.f.June 2020-21

Semester – V-Syllabus

Compulsory Paper- 501 - Indian Economic Scenario

60+40 Pattern -External Marks 60 +Internal Marks 40 = Maximum

Total Marks - 100

Total Lectures: 60

Objectives:-

- 1) To acquaint students with new concepts of Economics.
- 2) To update the students about new changes brought in Indian Economy.
- 3) To know the relevance Economic practices in modern competitive world.
- 4) To make students competent to become success in competitive examination.

Outcomes / Utility:-

- 1) Student will be able To Understand Present Economic Scenario of Indian Economy.
- 2) Student will be able To Understand Population & Economic Development.
- 3) Student will be able To Understand Human Resource Development.
- 4) Student will be able To Understand Agriculture, Industry, and services sector in India.

1. Present Economic Scenario of Indian Economy

Lecture: 10

- 1.1. India as a Developing Economy & its Characteristics
- 1.2. India as a Mixed Economy & its Characteristics.
- 1.3. India's Present Position In the world Economy.
- 1.4. Globalization & Its Impact on India.

2. Population of India.

Lecture : 10

- 2.1 Current population Scenario of India
- 2.2. Demographic issues of India's population
 - 2.2.1. Sex Composition.
 - 2.2.2. Age Structure and it's Demographic dividend.
- 2.3. Urbanisation - Definition, Nature & causes

3. Human Resource Development.

Lecture 10

- 3.1. Role of Human Resource in Economic Development.
- 3.2. Indicators of Human Resource Development.
- 3.3. Importance of Education, Health and Nutrition.
- 3.4. Current Unemployment in India – Nature, causes & policy measures.
- 3.5. Poverty in India – Poverty line, Causes and measures for alleviation of poverty.



4. Agriculture Scenario in India.

Lecture : 10

- 4.1. India's Agriculture

- 4.1.1. Role of Agriculture in Indian Economic Development.
- 4.1.2. Causes of low productivity of India's Agriculture.
- 4.1.3. Measures to increase production and productivity of India's agriculture.
- 4.2. Agriculture Finance
 - 4.2.1. Need & Important
 - 4.2.2. institutional sources Co-operative & commercial Banks, RRBs & NABARD
- 4.3. Agriculture Marketing
 - 4.3.1. Defects of Agricultural Marketing.
 - 4.3.2. Measures to improve the agricultural Marketing system.
 - 4.3.3. E-NAM e- National Agriculture Market.
- 4.4 Impacts of climatic changes on Indian Agriculture.

5. Industrial and Services Sectors in India

Lecture 10

- 5.1. Role of Industrialization in Indian Economic Development.
- 5.2. Role and problems of small scale industries.
- 5.3. Public Sector Enterprises Roles & Problems
 - 5.3.1. Concept & Evaluation of disinvestment
 - 5.3.2. Concept- Make in India, Start up India, Stand up India.
- 5.4. Current Scenario of Services sector in Indian Economy.

6. Infrastructural Development in India.

Lecture: 10

- 6.1. Significance of Transport system in India's Economic Development.
- 6.2. Communication system in India.
- 6.3. Sources of Energy - Traditional & Non Traditional

Books:-

- 1) Evolution of the Indian Economy by I.C. Dhingra, S.Chand & Sons (28th Edition) 2000
- 2) Indian Economy by Gaurav Datta and Ashwini Mahajan S. Chand & Sons Publication. (71Edition) 2015.
- 3) Indian Economy by Mishra and Puri, Himalaya Publication.
- 4) Indian Economy by A.N. Agrawal, Himalaya Publication, 40th Edition 2015.
- 5) Indian Economy by R.Datta and K.P.M. Sunadaram S.Chand & Sons Publication.
- 6) Annual Report - Reserve Bank of India's Publication.
- 7) Economic Survey, Govt. of India's Publication.
- 8) Indian Economy since 1980 , Dr.N.L.Chavan,Prashant Publication Jalgaon (Marathi Edition)
- 9) Indian Economic scenario Since 1980 – 81,Dr.D.R.Jagtap & Dr.D.G.Patil, Prashant Publication.



Objectives :

- To introduce the concept, Principles and Practices of H. R. M. to the students.
- To familiarize students with concepts of Human Resource Planning, Job Analysis, Recruitment and selection procedures.
- To introduce the concept of placement, induction and tools of placement.

Outcomes / Utility :

- Students can know concepts , principles and practices of HRM.
- Familiar with concepts of HR Planning , job analysis, recruitment and selection.
- Development in total personality of students as future human resource of India.
- Acquaint the knowledge of recent trends in HRM.

1. Introduction to Human Resource Management :

Lectures: 10

- 1.1 Definition and Concept, Features, Objectives, Functions, Scope and Development of Human Resource Management.
- 1.2 Importance of Human Resource Management, Human Resource Practices.
- 1.3 Difference Between H. R. M. and Personal Management.
- 1.4 Qualities and Role of Human Resource Manager.
- 1.5 Challenges to H. R. M.

2. Human Resource Planning :

Lecture : 10

- 2.1 Concept of Human Resource Planning (HRP), Factors in HRP.
- 2.2 Advantages and Limitations of HRP.
- 2.3 Process of HRP.
- 2.4 Growing Importance of H. R. Planning.
- 2.5 Types of H. R. Planning.

3. Job Analysis and Design :

Lecture : 10

- 3.1 Job Analysis- Importance, Tools, Process of Job Analysis.
- 3.2 Job Description, Writing a Job Description.
- 3.3 Job Specification.
- 3.4 Job Design.

4. Recruitment

Lecture: 10

- 4.1 Meaning, Definition, Objectives, Importance, Recruitment Policy.
- 4.2 Factors Affecting Recruitment.



- 4.3 Centralized and Decentralized Recruitment.
- 4.4 Sources of Recruitment.
- 4.5 Walk in Body-Shopping, Outsourcing, E-recruitment.

5. Selection

Lecture: 10

- 5.1 Meaning, Definition, Importance.
- 5.2 Selection Policy and Selection Procedure.
- 5.3 factors Affecting on Selection.
- 5.4 Evaluation of Selection Procedure.
- 5.5 E-selection.

6. Placement and Induction

Lecture: 10

- 6.1 Meaning, Definition of Placement, Problems in Placement.
- 6.2 Tools of effective placement.
- 6.3 E-placement. Meaning,
- 6.4 Verification before placement verification.
- 6.5 Definition of Induction, Objectives, Nature.
- 6.6 Importance of Induction.

References :

1. Human Resource Management By – K. Ashwatghappa, Tata-Mc-Graw Hill
2. A Textbook of 'Human Resource Management', R.S. Dwivedi, Vikas Publishing House Pvt.Ltd.
3. 'Human Resource Management', Dr.Anjali Ghanekar, Everest Publishing House.
4. 'Human Resource Management' (Text and Cases) by – Appannaiah Reddy, Aparna Rao,Himalaya Publishing House.
5. 'Personal and Human Resource Management' (Text and Cases), by – P.Subba Rao,Himalaya Publishing House.
6. 'Human Resource Management and Organizational Behaviour', Dr.P.K.S. Menon.
7. 'Management Challenges in Twenty First Century', by Vivek Deolankar.
8. 'Manavi Sansadhananche Vyavasthapan', Prof.Dr.Prabhakar Deshmukh.



**Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon
(NACC Re-accredited 'A' Grade University)
FACULTY OF COMMERCE AND MANAGEMENT
T.Y. B.Com – w.e.f. AY 2020-21
SEMESTER V**

Paper: 507 b - Advanced Cost and Management Accounting - II
60+40 Pattern: External Marks 60, Internal Marks 40. Maximum Total Marks: 100
Required Lectures: 60

Objectives:

1. To acknowledge the students with the cost accounting concepts and techniques.
2. To enable the students to apply analytical tools & techniques of cost accounting.
3. To develop competence among the students regarding cost accounting.
4. To acquire skills regarding Process, Job, Batch and Contract Costing
5. To understand the Joint and By Product Costing/

Course Outcome:

1. Understand the various concepts of Cost Accounting.
2. Describe the elementary knowledge of Process, Job, Batch and Contract Costing.
3. Utilize working knowledge with application skill of Cost Accounting.
4. Compute and prepare various Costing Statements.

Important Note:

- a) This subject shall be studied in English medium.
- b) The question paper shall be set in English, and the students shall answer the paper in English medium only.
- c) Out of the total marks in question paper, 30% marks will be allotted for theory questions and 70% marks will be for the practical problems.

1. An Introduction to Cost Accounting (Theory)

Lectures - 6

- 1.1 Objectives of Cost Accounting
- 1.2 Advantages of Cost Accounting
- 1.3 Scope of Cost Accounting
- 1.4 Limitations of Cost Accounting

2. Process Costing (Theory & Practical Problems)

Lectures - 12

- 2.1 Process Costing: Meaning
- 2.2 Normal Loss, Abnormal Loss, Abnormal Gain & Work-In-Progress
- 2.3 Preparation of Process Account
- 2.4 Equivalent Units, FIFO Method

3. Joint and By Product Costing (Theory & Practical Problems)

Lectures - 10

- 3.1 Joint Product Cost Analysis - Meaning and Concept
- 3.2 Objectives of Joint Product Cost Analysis
- 3.3 Difficulties in Joint Product Cost Analysis
- 3.4 Preparation of Statement of Division of Joint Costs
- 3.5 By-Product Costing - Co-Products & By-Products
- 3.6 Accounting Treatment for By-Products

4. Job and Batch Costing (Theory & Practical Problems)

Lectures - 10

- 4.1 Job Costing - Meaning and Concept
- 4.2 Suitability of Job Costing
- 4.3 Preparation of Job Cost Sheet & Quotations
- 4.4 Batch Costing - Meaning and Concept



- 4.5 Need for Determining Economic Lot Size
- 4.6 Types of Costs in Batch Costing
- 4.7 Determining Economic Batch Size
- 4.8 Difference between Job Costing and Batch Costing

5. Contract Costing (Theory & Practical Problems)

Lectures - 12

- 5.1 Meaning of Contract Costing
- 5.2 Profits on Incomplete Contracts
- 5.3 Valuation of Work In Process
- 5.4 Escalation Clause-Retention Money
- 5.5 Preparation of Contract Account
- 5.6 Presentation of Relevant Items in Balance Sheet

6. Non-Integrated Cost Accounts (Theory & Practical Problems)

Lectures - 10

- 6.1 Non-Integrated Cost Accounting System
- 6.2 Ledgers under Non-Integrated Cost Accounts
- 6.3 Accounting for Material, Wages & Overheads
- 6.4 Journal Entries and Preparation of Control Accounts in Cost Ledgers

Reference Books:

1. Cost Accounting - P.T. Pattanshetty & D. R. Palekar
2. Cost Accounting - B.K.Bhar
3. Cost and Management Accounting - M.E. Thukaram Rao - New Age International
4. Cost Accounting - S.P.Jain, K.L. Narang
5. Cost Accounting - S.N. Maheshwari
6. Cost Accounting - Jawahar Lal, Seema Srivastava
7. Practical Costing - Khanna, Pande, Ahuja, Arora
8. Cost Accounting - N.K.Prasad
9. Cost Accounting - L.N. Chopde and others - Sheth Publishers Pvt. Ltd. Mumbai
10. Cost Accounting - Nigam Sharma



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Faculty of Commerce and Management

T.Y.B.Com (CBCS) –w.e.f.June 2020-21

Semester – VI-Syllabus

Compulsory Paper: - 601 - Indian Economic Scenario

60+40 Pattern -External Marks 60 +Internal Marks 40 = Maximum Total

Marks - 100

Total Lectures: 60

Objectives: -

- 1) To acquaint students with new concepts of Economics.
- 2) To update the students about new changes brought in Indian Economy.
- 3) To know the relevance Economic practices in modern competitive world.
- 4) To make students competent to become success in competitive examination

Outcomes/Utility

- 1) Student will be able To Understand India's Foreign Trade Capital & Foreign Exchange Reserve.
- 2) Student will be able To Understand Price Trends & Inflation.
- 3) Student will be able To Understand Concept of Public Finance, Federal Finance & Fiscal Development.
- 4) Student will be able To Understand Economics Planning & NITI Aayog.

1. India's Foreign Trade.

Lecture :10

- 1.1. Composition of foreign trade.
- 1.2. Direction of foreign trade.
- 1.3. India's balance of payment since 1991.
- 1.4. Measures to correct the adverse balance of payment.
- 1.5. Recent Trade Policy

2. Foreign Capital and Foreign Exchange Reserves.

Lecture : 10

- 2.1. Foreign Capital Components and need.
- 2.2. Sources of Foreign Aid to India.
- 2.3. India's Foreign Exchange Reserves.
- 2.4. W.T.O Impact of W.T.O. on various aspects of Indian Economy.

3. Price Trends and Inflation.

Lecture: 10

- 3.1. Price Trends in India.
- 3.2. Causes of price rise in India.
- 3.3. Consequence of the price rise.
- 3.4. Anti inflationary policy of the government,

4. Public Finance.

Lecture : 10

- 4.1. Indian Tax Structure reforms in the tax system since 1991.
- 4.2. Public Expenditure.
 - 4.2.1. Role of public expenditure.



- 4.2.2. Causes of rise in public expenditure.
- 4.2.3. Management of public expenditure.
- 4.3. Public debt.
 - 4.3.1. Role of public debt.
 - 4.3.2. Problems related to public debt.
- 4.4. Features of current central budget related to economic policy.

5. Federal Finance and Fiscal Development.

Lecture: 10

- 5.1. Silent features of Federal Finance System in India.
- 5.2. Problems and issues in centre state financial relations in India.
- 5.3. 15th Finance Commission Recommendations.
- 5.4. Fiscal development.
 - 5.4.1. Objectives of Fiscal Policy in India.
 - 5.4.2. Fiscal imbalances in India.
 - 5.4.3. Fiscal responsibility in India.

6. Economic Planning and NITI Aayog.

Lecture: 10

- 6.1. Achievements and Failures of the five year plans.
- 6.2. NITI Aayog.
 - 6.2.1. Origin and formation.
 - 6.2.2. Members.
 - 6.2.3. Function of NITI Aayog
 - 6.2.4. Critical Appraisal of NITI Aayog.

Books:

- 2) Evolution of the Indian Economy by I.C. Dhingra, S.Chand & Sons (28th Edition) 2000.
- 3) Indian Economy by Gaurav Datta and Ashwini Mahajan,S.Chand & SonsPublication.(71st Edition) 2015.
- 4) Indian Economy by Mishra and Puri, Himalaya Publication.
- 5) Indian Economy by A.N. Agrawal, Himalaya Publication, 40th Edition 2015.
- 6) Indian Economy by R.Datta and K.P.M. Sunadaram S.Chand & Sons Publication.
- 7) Annual Report - Reserve Bank of India's Publication.
- 8) Economic Survey, Govt. of India's Publication.



**KAVYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY,
JALGAON**

**Faculty of Commerce and Management Syllabus for
T. Y. B. Com. Semester- VI**

Subject: 605 a - Human Resource Management
w.e.f. 2020-21

Total Lectures : 60

[Total Marks : 60 External + 40 Internal = 100 Marks]

Objectives :

- To introduce the concept Training and Management Development of H. R. M. to the students.
- To Provide recent trends in Human Resource Management.
- To develop the total personality of students as future Human Resource of India.
- To study the various dimensions of Human Resource Management.

Outcomes / Utility :

- Students have the knowledge of management development and training procedure to Human Resource.
- Students are familiar to the recent trends in Human Resource Management.
- Total Personality of students can be develop as a future Human Resource of India.
- Acquaint the knowledge of various dimensions of Human Resource Management.
- Familiar with work culture and discipline.

1. Employee Training

(Lecture 10)

- 1.1 Meaning, Definition, Difference Between Training Education and Development.
- 1.2 Characteristics, Objectives, need and Importance, Training Policy.
- 1.3 On the job, off the job, Training Methods.
- 1.4 Types of Training.
- 1.5 e Training.

2. Management Development

(Lecture 10)

- 2.1 Meaning, Definition of Management Development.
- 2.2 Objectives, Need, Importance.
- 2.3 Methods of Management Development.
- 2.4 Problems in Management Development Programmes.
- 2.5 Managerial Training and Development in Indian Context.

3. Employee Grievances

(Lecture 10)

- 3.1 Meaning, Definition, Causes of Grievances.
- 3.2 Importance of Grievances Heading.
- 3.3 Principles of Grievance Handling.
- 3.4 Grievance Redressal Machinery.

4. Employee Discipline

(Lecture 10)

- 4.1 Meaning, Definition, Features.



- 4.2 Aims, Objectives and Importance.
- 4.3 Principles for Maintaining Discipline.
- 4.4 Disciplinary Procedure. v. Role of Human Resource Manager in Maintaining Discipline.

5. Employee Performance Appraisal

(Lecture 10)

- 5.1 Meaning, Definition, Features.
- 5.2 Objectives and Importance.
- 5.3 Methods and Process of Performance Appraisal.
- 5.4 Problems of Appraisal.
- 5.5 Measures for Making Effective Appraisal
- 5.6 Types of Appraisal.

6. Recent Trends in H. R. M.

(Lecture 10)

- 6.1 Human Resource Accounting.
- 6.2 Human Resource Audit.
- 6.3 Green Human Resource Management.
- 6.4 Downsizing
- 6.5 Exit Policy of Human Resource Management.
- 6.6 Voluntary Retirement Scheme (VRS)
- 6.7 Employee Empowerment.
- 6.8 Work Force Diversity.

Reference :

1. A Textbook of 'Human Resource Management', R.S. Dwivedi, Vikas Publishing House Pvt. Ltd.
2. 'Human Resource Management', Dr.Anjali Ghanekar, Everest Publishing House.
3. 'Human Resource Management' (Text and Cases) by – Appannaiah Reddy, Aparna Rao, Himalaya Publishing House.
4. 'Personal and Human Resource Management' (Text and Cases), by – P.Subba Rao, Himalaya Publishing House.
5. 'Human Resource Management and Organizational Behaviour', Dr.P.K.S. Menon.
6. 'Human Resource Management in the New Millennium', by – P.Subba Rao.
7. 'Personnel Management', by C.B.Memoria.
8. 'Management Challenges in Twenty First Century', by Vivek Deolankar.
9. 'Manavi Sansadhananche Vyavasthapan', Prof.Dr.Prabhakar Deshmukh.
10. 'Manavi Sansadhananche Vyavasthapan', Prof.B.L.Jibhkate, Dr.C.D.Pandhye, Vishwa Publishers and Distributors, Nagpur.



॥ अंतरा पेटवू ज्ञानज्योत ॥

उत्तर महाराष्ट्र विद्यापीठ, जळगाव

Choice Based Credit System

(2018-2019)

F. Y. B. Sc.

Ability Enhancement Compulsory Course (AEC)

AEC - B) मराठी

• अभ्यासक्रमाची वैशिष्ट्ये व महत्त्व -

१. सदर अभ्यासक्रमात व्यक्तिचित्रणात्मक कथांचा समावेश केलेला आहे. त्या माध्यमातून साहित्याच्या जाणीवेसोबतच सामाजिक जाणीवही विकसित करण्याचा प्रयत्न आहे.
२. सदर अभ्यासक्रम मराठी भाषेच्या संवाद कौशल्यांचा परिचय करून देणारा आहे.
३. भाषण, सादरोकरण (presentation), वादविवाद, सूत्रसंचालन, गटचचा अशी संवाद कौशल्ये विद्यार्थ्यांनी आत्मसात करावी यासाठी प्रेरक ठरणारा सदर अभ्यासक्रम आहे.
४. विद्यार्थ्यांची संवादाच्या अनुषंगाने भाषिक क्षमता विकसित व्हावी यासाठी प्रोत्साहन देणारा सदर अभ्यासक्रम आहे. .

सत्र पहिले आणि दुसरे

कथा आणि संवाद कौशल्ये यांचा अभ्यास

• अभ्यासक्रमाची उद्दिष्टे :

१. माणदेशी माणसं या कथासंग्रहातील कथांची कथानक, व्यक्तिचित्रण व प्रसंगवर्णन या अंगांनी जाणवणारा वैशिष्ट्ये लक्षात घेणे.
२. माणदेशी माणसं या कथासंग्रहातील कथांची संघष, निवेदन व भाषा या अंगांनी जाणवणारा वैशिष्ट्ये लक्षात घेणे.
३. संवादाच्या औपचारिक व अनौपचारिक प्रकारांचा परिचय करून देणे.
४. संवाद कौशल्यासाठी आवश्यक बाबींचा परिचय करून देणे.
५. भाषण, सादरोकरण (presentation), वादविवाद, सूत्रसंचालन, गटचचा या संवाद कौशल्यांचे स्वरूप स्पष्ट करून त्यांचे उपयोजन करण्यास शिकवणे.



घटक विश्लेषण -

एकूण दोन (०२) श्रेयांक

क्रम	घटक	श्रेयांक	तासिका (घड्याळा)
	कथा		
1.	माणदेशी माणसं (व्यंकटेश माडगूळकर) (मेहता पब्लिशिंग हाऊस, पुणे.) या कथासंग्रहातील पुढील निवडक कथा - <ul style="list-style-type: none"> • धमा रामोशी • झेल्या • नामा मास्तर • बऱ्याबापू 	०१	१५
	संवाद कौशल्ये		
2.	संवाद कौशल्ये : स्वरूप व उपयोजन <ul style="list-style-type: none"> • संवादाचे प्रकार (औपचारिक व अनौपचारिक संवादाचे स्वरूप स्पष्ट करणे) • संवाद कौशल्यासाठी आवश्यक बाबी (वाचन, श्रवण, चिंतन-मनन, अभ्यास, शब्दसंग्रह, मांडणी, देहबोली) • भाषण, सादरोकरण (presentation), वार्दाविवाद, गटचचा, सूत्रसंचालन कौशल्ये : स्वरूप व उपयोजन 	०१	१५
	एकूण श्रेयांक व तासिका	०२	३०



॥ अंतरी पेटवू ज्ञानज्योत॥
उत्तर महाराष्ट्र विद्यापीठ, जळगाव.

द्वितीय वर्ष विज्ञान : मराठी अभ्यासक्रम
जून २०१७ पासून

प्रथम सत्र

MAR - 231 ललित वाङ्मय - कथा

अभ्यासक्रमासाठीचे पुस्तक : स्वप्न आणि सत्य - वि. स. खांडेकर, मेहता प्रकाशन, पुणे.

अ) अध्ययन अध्यापनाची उद्दिष्टे

तासिका - १५

- १) कथा वाङ्मयाची वाटचाल
- २) कथेचे विविध घटक - कथानक, व्यक्तिचित्रण, प्रसंगवर्णन, संघर्ष, भाषाशैली इत्यादी
- ३) कथा वाङ्मयाचे इतर वाङ्मय प्रकारापेक्षा असलेले वेगळेपण.
- ४) मराठी कथेचे योगदान.
- ५) वि. स. खांडेकरांच्या कथा वाङ्मयाची वैशिष्ट्ये

ब) घटक विश्लेषण

तासिका - ४५

- १) स्वप्न आणि सत्य कथासंग्रहातील कथा
- २) स्वप्न आणि सत्य कथासंग्रहातील विषय आशय
- ३) स्वप्न आणि सत्य मधील जीवनमूल्य
- ४) स्वप्न आणि सत्य कथासंग्रहातील संघर्ष
- ५) स्वप्न आणि सत्य कथासंग्रहातील पात्र

संदर्भ ग्रंथ

- स्वप्न आणि सत्य - वि. स. खांडेकर, मेहता प्रकाशन, पुणे.
- मराठी कथा - म. ना. अदवंत
- मराठी विनोदी कथा, भोसले डी.टी., स्नेहवर्धन प्रकाशन, पुणे
- मराठी विनोद : विविध आविष्काररूपे, पवार जी.एम, पॉप्युलर प्रकाशन
- नव्या गद्यशैलीची नोंद, किसन पाटील, प्रशांत पब्लिकेशन्स, जळगाव
- निवडक कथा : स्वरूप व समीक्षा, बागुल फुला, प्रशांत पब्लिकेशन्स, जळगाव
- १९७५ नंतरची मराठी कथा, लोकवाङ्मय गृह
- २१ श्रेष्ठ कथा, चटोपाध्यय, डायमंड पब्लिकेशन्स



॥ अंतरी पेटवू ज्ञानज्योत॥

उत्तर महाराष्ट्र विद्यापीठ, जळगाव.

द्वितीय वर्ष विज्ञान : मराठी अभ्यासक्रम

जून २०१७ पासून

द्वितीय सत्र

MAR - 241 नाटक

अभ्यासक्रमासाठीचे पुस्तक : प्रेमाच्या गावा जावे (नाटक) : वसंत कानेटकर

अ) अध्ययन अध्यापनाची उद्दिष्टे

तासिका - १५

- १) नाटक ही संकल्पना व नाटकाच्या व्याख्या
- २) नाटकाचे घटक, कथानक, व्यक्तिचित्रण, संघर्ष, भाषाशैली
- ३) नाटकाचे प्रकार - सामाजिक, ऐतिहासिक, राजकीय इत्यादी
- ४) नाटकातील सुखात्मिका-शोकात्मिका, स्वरूप व वैशिष्ट्ये
- ५) मराठी नाटकांचा इतिहास

ब) घटक विश्लेषण

तासिका - ४५

- १) प्रेमाच्या गावा जावे - कथानक
- २) प्रेमाच्या गावा जावे मधील व्यक्तिरेखा
- ३) प्रेमाच्या गावा जावे चे संवाद, भाषाशैली व संघर्ष
- ४) प्रेमाच्या गावा जावे नाटकातील विनोद
- ५) प्रेमाच्या गावा जावे मधील समाजदर्शन व जीवनदर्शन

संदर्भ ग्रंथ

- प्रेमाच्या गावा जावे : वसंत कानेटकर, पॉप्युलर प्रकाशन, मुंबई
- नाटक एक चिंतन : वसंत कानेटकर,
- आधुनिक मराठी नाटक : आशय व आकृतीबंध - सुषमा जोगळेकर
- साहित्य साधना : मा.का. देशपांडे,
- मराठी नाटक आणि रंगभूमी : संपा. विश्वनाथ शिंदे, हिमांशू स्मार्त, प्रतिमा प्रकाशन, पुणे-३०.
- स्वातंत्र्योत्तर सामाजिक नाट्यसृष्टी : डॉ. श्रीकांत पाटील, हृदय प्रकाशन, महाराणा प्रताप चौक, कोल्हापूर.
- आजचे नाटककार : संपादक दत्तात्रय पुंडे, स्नेहल तावरे, स्नेहवर्धन पब्लिशिंग हाऊस, पुणे-३०.
- तमाशा : कला आणि जीवन, चंदनशिव एस., स्नेहवर्धन प्रकाशन, पुणे
- मराठी नाटक व रंगभूमी काही विचार, कुलकर्णी व्ही.ए., प्रतिमा प्रकाशन, पुणे
- मराठी नाटकातील स्त्री रूपे, देशमुख शोभा, प्रतिमा प्रकाश, पुणे
- मराठी नाटकावरील इंग्रजी प्रभाव, पाटील ए., लोकवाङ्मयगृह, मुंबई,



NORTH MAHARASHTRA UNIVERSITY, JALGAON
Syllabus of F.Y.B.Sc. Botany w.e.f. June, 2018
Semester -I
Paper-I

Bot. 101: Microbial Diversity, Algae & Fungi Total: 30 L

Aims and Objectives:

1. To study the diversity among Microbes.
 2. To study systematic, morphology and structure of Bacteria, Viruses, Algae and Fungi.
 3. To study the life cycle pattern of Bacteria, Viruses, Algae and Fungi.
 4. To study the useful and harmful activities of Bacteria, Viruses, Algae and Fungi.
-

Unit 1: Microbes

2L

- 1.1: Introduction and main groups of microbes : Prions, Viroids, Viruses, Rickettsias, mycoplasmas, Bacteria, cyanobacteria.
- 1.2: Classification of microorganisms – R.H. Whittaker's (1969) five kingdom concept.

Unit 2: Viruses

7L

- 2.1 Introduction, Discovery and Characteristics of Viruses.
- 2.2 General morphology of viruses: Helical, Polyhedral, Enveloped and Complex viruses.
- 2.3 Nature of viruses (living and nonliving)
- 2.4 Ultra structure of viruses
- 2.5 DNA Virus (T-Phase) and RNA Virus (TMV)
- 2.6 Reproduction of Bacteriophage : Lytic and Lysogenic cycle.
- 2.7 Economic importance
- 2.8 Plant diseases caused by viruses w.r.t. symptoms, causal organism and control measures of
 - i. Yellow vein mosaic disease of Lady's finger
 - ii. Leaf curl of Tomato

Unit 3: Bacteria

7L

- 3.1 Introduction, discovery and General Characters.
- 3.2 Classification of Bacteria on the basis of morphology.
- 3.3 Structure of Bacterial Cell
- 3.4 Gram positive and Gram negative Bacteria
- 3.5 Reproduction - Asexual and Sexual (Conjugation)
- 3.6 Economic Importance of Bacteria - useful and harmful activities
- 3.7 Study of Bacterial diseases w.r.t. causal organism, symptoms and control measures of
 - i) Citrus canker
 - ii) Black arm of Cotton



Unit 4: Algae

7L

- 4.1 Introduction, definition and General Characters of algae
- 4.2 Habitats of algae: Aquatic, Terrestrial and algae unusual habitats
- 4.3 Thallus structure in algae.
- 4.4 Reproduction: Vegetative, Asexual and Sexual
- 4.5 Classification of algae according to G. M. Smith (1955) up to classes with reasons giving at least two examples from each class.
- 4.6 Economic importance of algae
 - i. Agriculture
 - ii. Industries
 - iii. Medicine
 - iv. Energy Production
- 4.7 Study of life cycle w.r.t. Systematic position, thallus structure and Reproduction of *Nostoc*, and *Spirogyra*.

Unit 5: Fungi

7L

- 5.1 Introduction, definition and General Characters
- 5.2 Thallus structure and mode of nutrition
- 5.3 Classification of Fungi, according to G.M. Smith up to classes with reasons selecting at least two examples of each class.
- 5.3 Economic importance of Fungi (Agriculture, Industries, Food & Medicine)
- 5.4 Study of life cycle w. r. t. Systematic position thallus structure reproduction of *Rhizopus*, and *Agaricus*.
- 5.5 Lichens: Definition, Characters, Types - Crustose, Foliose, Fruticose and economic importance.
- 5.6 Definition, General account, significance of Mycorrhiza, Types: Ecto and Endomycorrhiza.

Note: Student activities like seminars, quiz, debate, assignments, field work, study Project & models etc. are part of curriculum for all units in all papers.

Reference Books:

1. Agrwal, S. B. and Srivastava (1985) Modern Text Book of Botany Vol. I Algae, Fungi, Bacteria Viruses and Lichen, Universal Publication, Agra.
2. Biswas, S. B. and Amita Biswas (1986 Ed.) An Introduction to Viruses, Vikas Publishing House (P) Ltd. New Delhi.
3. Vashita, B.R. (2010) S. A Text Book of Algae Chand and Company (P.) Ltd New Delhi.
4. Vashita, B.R. (2010) S. A Text Book of Fungi Chand and Company (P.) Ltd New Delhi.
5. Sarabhai, B. P. & Arora C.K. (1995). A Text Book of Algae Anmol Publication, New Delhi.
6. Salle, A.J. (1974) Fundamental Principles of Bacteriology (TMH Ed.) New Delhi.
7. Gangulee, H.C. and Kar, A.K. (1998) College Botany Vol. II New Central Book Agency, Kolkata.
8. Pandey B. P. (2014) College Botany Volume 1S. Chand publications, New Delhi.
9. Pandey, S. N. and Trivedi (1997) A Text Book of Botany Vol. I Vikas Publishing House, New Delhi.
10. Sharma, P D. (1998) A Text Book of Fungi Rastogi Publication, Meerut.
11. Sharma, P D. (2009) A Text Book of Algae Tata McGraw Hill Publication, New Delhi.



Paper II
Bot. 102: Plant Taxonomy

Total: 30L

Aims and Objectives:

- 1 To study the diversity of angiosperms.
- 2 To study the comparative account among the families of angiosperms.
- 3 To study the economic importance of the angiospermic plants.
- 4 To study the distinguishing features of angiosperm families.

Unit 1: Introduction (3 L)

- 1.1 Definition, Scope and Importance
- 1.2 Functions of Taxonomy
 - 1.2.1 Identification
 - 1.2.2 Nomenclature
 - 1.2.3 Classification

Unit 2: Taxonomic hierarchy (5 L)

- 2.1 Principles (I to IV) & Rules (ICN)
- 2.2 Ranks of Classification: Major Categories
- 2.3 Binomial Nomenclature
- 2.4 Author Citation & Rejection of names.

Unit 3: Systems of Classification (5 L)

- 3.1 Types of Classification.
 - 3.1.1 Artificial
 - 3.1.2 Natural
 - 3.1.3 Phylogenetic
- 3.2 Outline of Bentham & Hooker's system of classification up to series.
- 3.3 Merits and Demerits

Unit 4: Study of Plant Families w.r.t. systematic position, general characters, distinguishing characters and economic importance. (6 L)

- 4.1 Malvaceae
- 4.2 Solanaceae
- 4.3 Euphorbiaceae
- 4.4 Cannaceae

Unit 5: Herbarium (3 L)

- 5.1 Definition, Techniques and Functions.
- 5.2 Importance of Herbaria.

Unit 6: Botanical Gardens (3 L)

- 6.1 Definition and Functions.
- 6.2 Special Features of Following:
 - 6.2.1 Indian Botanical Garden, Kolkata.
 - 6.2.2 Royal Botanical Garden, Kew, England.

Unit 7: Numerical Taxonomy (2 L)

- 7.1 Definition & Application



Unit 8: Modern Trends in Taxonomy

(3 L)

8.1 Taxonomic evidences from:

- 8.1.1 Palynology
- 8.1.2 Cytology
- 8.1.3 Phytochemistry

Reference Books:

1. Ganguly, H.C. & K. S. Das (1986) College Botany Vol.-I (6th Edition), New CentralBookAgency, Calcutta, India.
2. Ganguly, H.C., K.S.Das and C.T.Datta (1968) College Botany Vol.I , New Central BookAgency, Calcutta, India.
3. Kumar, N.C.(1992) An Introduction to Taxonomy of Angiosperm. Himalaya PublishingHouse, Bombay, India.
4. Lawrence G.H.M. (1951) Taxonomy of Vascular plants. Macmillan, New York,USA.
5. Naik, V.N. (1984) Taxonomy of Angiosperms. Tata McGraw-Hill Publishing Company Ltd, New Delhi, India.
6. Pandey, B.P.(1997) Taxonomy of Angiosperms. S. Chand & Company Ltd., New Delhi,India.
7. Sharma, O.P. (1997) Plant Taxonomy. Tata McGraw-Hill Publishing Co. Ltd. New Delhi,India.
8. Shivarajan, V.V. (1984) Introduction to Principles of Plant Taxonomy. Oxford &IBHPublishing Co. New Delhi, India.
9. Singh, V. and Jain,D.K. (1992) Taxonomy of Angiosperms.Rastogi Publication, Meerut,India.
10. Subramanyam, N.S. (1997) Modern Plant Taxonomy.Vikas Publishing house, New Delhi,India.
11. MukerjeeSusilkumar(1984) College Botany Vol III Published by J.N. Sen. B.S.I.NewCentral Book Agency Calcutta.
12. Vashistha, P.C. (1992) Taxonomy of Angiosperms. R. Chand & Co. Publishers, New Delhi,India.



Paper-II
Bot. 202: Plant Ecology

Total: 30 L

Aims and Objectives:

- 1 To know scope and importance of the discipline.
 - 2 To study plant communities and ecological adaptations in plants.
 - 3 To know about conservation of biodiversity.
 - 4 To study the botanical regions of India and vegetation types of Maharashtra.
-

Unit 1: Introduction (2 L)

- 1.1 Definition and historical background
- 1.2 Scope & importance

Unit 2: Ecological factors

- 2.1. Abiotic factors (Humidity, light & temperature) (8 L)
- 2.2. Biotic factors (Symbiosis, epiphytes & parasitism)
- 2.3. Edaphic factors (Soil components, soil formation and soil profile)
- 2.4 Shelford law of tolerance
- 2.5 Adaptation of hydrophytes (*Hydrilla* & *Eichhornia*) and Xerophytes (*Nerium* & *Opuntia*)

Unit 3: Plant communities (5 L)

- 3.1 Characteristics of community
- 3.2 Species diversity
- 3.3 Growth form, Structure & dominance.
- 3.4 Ecological Succession: Hydrosere and Xerosere

Unit 4: Ecosystem (10L)

- 4.1 Introduction & definition
- 4.2 Components of ecosystem
- 4.3 Types of ecosystem
 - a) Pond ecosystem
 - b) Grassland ecosystem
- 4.4 Food chain and food webs.
- 4.4 Ecological pyramids production and productivity.
- 4.5 Biogeochemical cycle: Carbon and Nitrogen

Unit 5: Phytogeography (5 L)

- 5.1 Basic Principles of Phytogeography
- 5.2 Botanical regions of India
- 5.2 Vegetational types in Maharashtra
- 5.3 Endemism: Causes and Types

Reference Books:

- 1) Agrawal, K. C. (1996) Environmental Biology, Agro-Botanical Publisher, Bikaner India.
- 2) Ambasta, R. S. (1990) Environmental and pollution, Student's friends and co.



FYBSc Zoology Semester I
Core Course A-I
ZOO 101 : ANIMAL DIVERSITY I

CREDITS 2

Unit 1: Kingdom Protista	4
General characters and classification up to classes; Locomotory Organelles and locomotion in Protozoa	
Unit 2: Phylum Porifera	3
General characters and classification up to classes; Canal System in <i>Sycon</i>	
Unit 3: Phylum Cnidaria	3
General characters and classification up to classes; Polymorphism in Hydrozoa	
Unit 4: Phylum Platyhelminthes	3
General characters and classification up to classes; Life history of <i>Taenia solium</i>	
Unit 5: Phylum Nematelminthes	4
General characters and classification up to classes; Life history of <i>Ascaris lumbricoides</i> and its parasitic adaptations	
Unit 6: Phylum Annelida	3
General characters and classification up to classes; Metamerism in Annelida	
Unit 7: Phylum Arthropoda	4
General characters and classification up to classes; Vision in Arthropoda, Metamorphosis in Insects	
Unit 8: Phylum Mollusca	3
General characters and classification up to classes; Torsion in gastropods	
Unit 9: Phylum Echinodermata	3
General characters and classification up to classes; Water-vascular system in Asteroidea	

SUGGESTED READINGS

- Ruppert and Barnes, R.D. (2006). *Invertebrate Zoology*, VIII Edition. Holt Saunders International Edition.
- Barnes, R.S.K., Calow, P., Olive, P.J.W., Golding, D.W. and Spicer, J.I. (2002). *The Invertebrates: A New Synthesis*, III Edition, Blackwell Science
- Kotpal R L (2009): Modern textbook of Zoology Invertebrates, Rastogi Publication.
- Hall B.K. and Hallgrimsson B. (2008). *Strickberger's Evolution*. IV Edition. Jones and Bartlett Publishers Inc.



FYBSc Zoology Semester I

Core Course A-I

ZOO 102 : ANIMAL DIVERSITY II

CREDITS 2

Unit 1: Protochordates General features and Phylogeny of Protochordata	3
Unit 2: Agnatha General features of Agnatha and classification of cyclostomes up to classes	3
Unit 3: Pisces General features and Classification up to orders; Osmoregulation in Fishes	4
Unit 4: Amphibia General features and Classification up to orders; Metamorphosis in frog, Parental care,	5
Unit 5: Reptiles General features and Classification up to orders; Extinct reptiles, Poisonous and non-poisonous snakes, Biting mechanism in snakes	5
Unit 6: Aves General features and Classification up to orders; Flight adaptations in birds	5
Unit 7: Mammals Classification up to orders; Origin of mammals	5

SUGGESTED READINGS

- Young, J. Z. (2004). *The Life of Vertebrates*. III Edition. Oxford university press.
- Kotpal R L (2009): *Modern textbook of Zoology Vertebrates*, Rastogi Publicationa.
- Hall B.K. and Hallgrimsson B. (2008). *Strickberger's Evolution*. IV Edition. Jones and Bartlett Publishers Inc.
- Lal S.S. (1996): *Textbook of Practical Zoology Vertebrates*, Rastogi Publications



FYBSc Zoology Semester II

Core Course A-II

ZOO201: COMPARATIVE ANATOMY OF VERTEBRATES

CREDITS 2

Unit 1: Integumentary System Derivatives of integument w.r.t. glands and digital tips	4
Unit 2: Skeletal System Evolution of visceral arches	3
Unit 3: Digestive System Brief account of alimentary canal and digestive glands	4
Unit 4: Respiratory System Brief account of Gills, lungs, air sacs and swim bladder	5
Unit 5: Circulatory System Evolution of heart and aortic arches	4
Unit 6: Urinogenital System Succession of kidney, Evolution of urinogenital ducts	4
Unit 7: Nervous System Comparative account of brain	3
Unit 8: Sense Organs Types of receptors	3

SUGGESTED READINGS

- Kardong, K.V. (2005) *Vertebrates' Comparative Anatomy, Function and Evolution*. IV Edition. McGraw-Hill Higher Education.
- Kent, G.C. and Carr R.K. (2000). *Comparative Anatomy of the Vertebrates*. IX Edition. The McGraw-Hill Companies.
- Hilderbrand, M and Gaslow G.E. *Analysis of Vertebrate Structure*, John Wiley and Sons.
- Walter, H.E. and Sayles, L.P; *Biology of Vertebrates*, Khosla Publishing House.



FYBSc Zoology Semester II

Core Course A-II

ZOO 202 : DEVELOPMENTAL BIOLOGY OF VERTEBRATES

CREDITS 2

Unit 1: Early Embryonic Development

12

Gametogenesis: Spermatogenesis and oogenesis w.r.t. mammals, vitellogenesis in birds; Fertilization: external (amphibians), internal (mammals), blocks to polyspermy; Early development of frog and humans (structure of mature egg and its membranes, patterns of cleavage, fate map, up to formation of gastrula); types of morphogenetic movements; Fate of germ layers; Neurulation in frog embryo.

Unit 2: Late Embryonic Development

10

Implantation of embryo in humans, Formation of human placenta and functions, other types of placenta on the basis of histology; Metamorphic events in frog life cycle and its hormonal regulation.

Unit 3: Control of Development

8

Fundamental processes in development (brief idea) – Gene activation, determination, induction, Differentiation, morphogenesis, intercellular communication, cell movements and cell death

SUGGESTED READINGS

- Gilbert, S. F. (2006). *Developmental Biology*, VIII Edition, Sinauer Associates, Inc., Publishers, Sunderland, Massachusetts, USA.
- Balinsky, B.I. (2008). *An introduction to Embryology*, International Thomson C. Press.
- Carlson, Bruce M (1996). *Patten's Foundations of Embryology*, McGraw Hill, Inc.



FYBSc Zoology Semester II

Core Course A-II

Practical: ZOO 203

COMPARATIVE ANATOMY & DEVELOPMENTAL BIOLOGY OF VERTEBRATES

CREDITS 2

1. Study of bones (Osteology):

- a) Disarticulated skeleton of fowl and rabbit
- b) Carapace and plastron of turtle /tortoise
- c) Mammalian skulls: One herbivorous and one carnivorous animal.

2. Frog Embryology - Study of developmental stages - whole mounts and sections through permanent slides – cleavage stages, blastula, gastrula, neurula, tail bud stage, tadpole external and internal gill stages.

3. Study of the different types of placenta- histological sections through permanent slides or photomicrographs.

4. Examination of gametes - frog/rat - sperm and ova through permanent slides or photomicrographs.



Kavayitri Bahinabai Chaudhari
NORTH MAHARASHTRA UNIVERSITY
JALGAON 425001, INDIA



SYLLABUS UNDER
FACULTY OF SCIENCE & TECHNOLOGY
UNDER CBCS

FOR COURSES RELATED TO SUBJECT

ZOOLOGY
S.Y.B.Sc. (Semester I and II)
WITH EFFECT FROM
ACADEMIC YEAR 2019-2020

CORE COURSE III

SYBSc Zoology Semester III

ZOO 301 PHYSIOLOGY

THEORY

(CREDITS 2)

Unit 1: Nerve and muscle

(5)

Structure of a neuron, Resting membrane potential, Graded potential, Origin of Action potential and its propagation in myelinated and non-myelinated nerve fibres, Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction

Unit 2: Digestion

(3)

Physiology of digestion in the alimentary canal; Absorption of carbohydrates, proteins, lipids

Unit 3: Respiration

(5)

Pulmonary ventilation, Respiratory volumes and capacities, Transport of Oxygen and carbon dioxide in blood

Unit 4: Excretion

(4)

Structure of nephron, Mechanism of Urine formation, Counter-current Mechanism

Unit 5: Cardiovascular system

(5)

Composition of blood, Hemostasis, Structure of Heart, Origin and conduction of the cardiac impulse, Cardiac cycle

Unit 6: Reproduction and Endocrine Glands

(8)

Physiology of male reproduction: hormonal control of spermatogenesis; Physiology of female reproduction: hormonal control of menstrual cycle, Structure and function of pituitary, thyroid, Parathyroid, pancreas and adrenal

ZOO 302 BIOCHEMISTRY

THEORY

(CREDITS 2)

Unit 1: Carbohydrate Metabolism

(8)

Glycolysis, Krebs Cycle, Pentose phosphate pathway, Gluconeogenesis, Glycogen metabolism, Review of electron transport chain

Unit 2: Lipid Metabolism

(6)

Biosynthesis and β oxidation of palmitic acid, Lipogenesis, Lipolysis

Unit 3: Protein metabolism

(8)

Biosynthesis of amino acid, Transamination, Deamination, Decarboxylation and Urea Cycle

Unit 4: Enzymes

(8)

Introduction, Classification of Enzymes, Mechanism of action, Enzyme Kinetics, Factors affecting rate of enzyme mediated reactions, Inhibition and Regulation



CORE COURSE IV
SYBSc Zoology Semester IV

ZOO 401 GENETICS

THEORY

(CREDITS 2)

Unit 1: Introduction to Genetics

(4)

Mendel's work on transmission of traits, Genetic Variation, Molecular basis of Genetic Information

Unit 2: Mendelian Genetics and its Extension

(10)

Principles of Inheritance, Chromosome theory of inheritance, Incomplete dominance and co dominance, Polygenic inheritance, Multiple alleles, Lethal genes, Epistasis, Pleiotropy, sex linked inheritance, extra-chromosomal inheritance

Unit 3: Linkage, Crossing Over and Chromosomal Mapping

(6)

Linkage and crossing over, Recombination frequency as a measure of linkage intensity, two factor and three factor crosses, definition of gene mapping.

Unit 4: Mutations

(6)

Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidy and Polyploidy; Gene mutations: Induced versus Spontaneous mutations

Unit 5: Sex Determination

(4)

Chromosomal mechanisms and methods



ZOO 402 EVOLUTIONARY BIOLOGY

THEORY

(CREDITS 2)

Unit 1: History of Life

(2)

Major Events in History of Life

Unit 2: Introduction to Evolutionary Theories

(4)

Lamarckism, Darwinism, Neo-Darwinism

Unit 3: Direct Evidences of Evolution

(4)

Types of fossils, Incompleteness of fossil record, Dating of fossils, Phylogeny of horse

Unit 4: Processes of Evolutionary Change

(8)

Organic variations; Isolating Mechanisms; Natural selection (Example: Industrial melanism); Types of natural selection (Directional, Stabilizing, Disruptive), Artificial selection

Unit 5: Species Concept

(4)

Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)

Unit 6: Macro-evolution

(4)

Macro-evolutionary Principles (example: Darwin's Finches)

Unit 7: Extinction

(4)

Mass extinction (Causes, Names of five major extinctions, K-T extinction in detail), Role of extinction in evolution



Semester V: (SEC): Physics paper V
PHY 505: Solar energy and applications
(Credits: 03) :(45 Lectures 60 Marks)

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Course description:

The aim of this course is not just to impart theoretical knowledge solar energy fundamentals and applications to the students but to provide them with exposure and hands-on learning wherever possible.

Course objectives:

1. To impart knowledge of basic concepts of clean, safe and affordable energy.
2. To provide the knowledge about variety of solar energy applications.
3. To provide the knowledge and methodology of conversion of solar energy into heat& electricity.

Course outcome:

Learner will be able to

1. Apply the concept of use of knowledge of energy resources, solar radiations and conversion to real life problem.
 2. Understanding of the course will create scientific temperament.
 3. To impart knowledge of basic concepts of solar cell fundamentals.
 4. To provide the knowledge and methodology of conversion of solar energy into electricity.
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Unit 1: Solar Radiation:

The Sun, structure of the sun, solar constant, spectral distribution of extra-terrestrial radiation, Solar radiation at the earth's surface (terrestrial radiation), solar time and equation of time, Definitions: air mass, beam radiation, diffuse radiation, global radiation, irradiance, solar insolation. Solar radiation geometry, Empirical equation (derivation not expected) for Monthly Average: 1) Daily global radiation, 2) Daily diffuse radiation, 3) Hourly global radiation, 4) Hourly diffuse radiation. Solar radiation on tilted surfaces. Instruments for measuring solar radiation: Pyranometer, Pyrheliometer.
(05P, 08M)

Unit 2: Solar Collectors:

Flat plate collector: Types (Liquid flat-plate type, Evacuated Tube collector type, flat-plate with Al-insulator, Polymer solar collector), materials for collectors (Absorber plate, Insulation and Cover plate), Efficiency of flat plate collector, Loss coefficients and Heat transfer, Heat Removal Factor, Improvement in efficiency.

Solar Concentrating Collectors: Flat plate collector with reflector, Cylindrical parabolic collector, Thermal analysis, Performance analysis. **(10P, 12M)**

Unit 3: Solar Photovoltaics:

A P-N junction, Energy level diagram of semiconductors, Fermi level in doped semiconductors, Photovoltaic principals, Materials for Solar cell, Single crystal silicon cell: Principle, construction, working, equivalent circuit, I-V characteristics of solar cell, Fill factor, Power-voltage characteristics of solar cell, Maximum conversion efficiency, Actual conversion efficiency, Limitations to cell efficiency, Multicrystalline silicon cell, Thin Film Solar Cell, Short circuit current, Open circuit voltage, Maximizing the performance, Cell size. **(10P, 12M)**

Unit 4: Solar Thermal Applications:

Solar water heater: Direct natural circulation type, Direct forced circulation type, Design consideration of solar water heater, Series and Parallel Arrays, Solar drying of food (Direct type and Indirect mode type), Solar cooling and refrigeration, Solar thermal power generation, Solar furnace (Direct incident type). **(10P, 14M)**



Unit 5: Solar PV Applications:

PV Systems: Classification, Basic Photovoltaic power system, Stand-alone PV system, Solar Cell Modules (Solar PV arrays), Series and Parallel combination of PV Modules, Grid-connected system, Solar power satellite, Power conditioning and control. Design of PV System: Array size and Battery size.

Energy storage: electro chemical batteries, large capacity approaches.

PV Applications: Industrial applications, Social applications, Consumer applications. **(10P, 14M)**

(Total: 45 Periods, 60 Marks)

Demonstrations and Experiments:

(Note: Total 4 experiments are expected to be taken in the LAB by the teacher of this course while teaching the course.)

A) Solar Thermal Applications (Any two of the following)

1. Study of Solar Box Cooker
2. Study of Concentrating type Solar Cooker.
3. Solar Energy Measurements using Pyranometer.
4. Solar Energy Measurements using Pyrheliometer.
5. Study of Solar still for Water distillation.
6. Study of Solar Dryer: Hot air collector.

B) Solar PV Applications (Any two of the following)

1. Measurement of V_{OC} and I_{SC} of a Solar cell.
2. Determination of I-V & P-V Characteristics of a Solar cell.
3. Determination of I-V & P-V Characteristics of Series and Parallel combination of PV Modules.
4. Effect of Shading on Solar PV Module Output Power.
5. Study of Power versus load characteristics of Solar Photovoltaic panel
6. Study of Solar Lantern/ Street light

Note: For Solar energy modelling techniques, the software used for simulation in solar energy field, comparative review of software for solar photovoltaics, solar thermal systems and buildings. Use of software such as TRNSYS, PVSYSY, PVSOL, SAM, SOLTRACE, HOMER, Meeonorm etc is advised.

References:

1. Solar Energy- S. P. Sukhatme and J K Nayak, Fourth Edition, Tata Mac Graw Hill Co. Ltd.
2. Solar Energy Fundamentals and Applications – H P Garg and J Prakash, Tata McGraw Hill Co. Ltd.
3. Solar Energy Utilisation – G D Rai, Khanna Publishers.
4. Solar Engineering and Thermal Processes – Duffie J. and W. Beckman (1991), John Willey and Sons Inc.
5. Solar Power Engineering – Magal B. S. (1990), Tata Mac Graw Hill Co. Ltd.
6. Renewable Energy Sources and Conversion Technology – Bansal N. K., M. K. M. Meliss (1990), Tata Mac Graw Hill Co. Ltd.



UNIT 4. Aromatic Substitution Reactions

(09 L, 12M)

Electrophilic substitution

Introduction, arenium ion mechanism, Effect of substituent group (Orientation, o/p directing and meta directing groups). Classification of substituent groups (activating and deactivating groups) Mechanism of: Nitration, Sulfonation, Halogenation, Friedal-Crafts reactions (alkylation and acylation), Diazo Coupling reactions, Ipso-substitution.

Nucleophilic substitution

Addition- elimination (S_NAr), Elimination-addition (Benzyne) mechanism with evidences, Chichibabin reaction

Ref:- 1: 471-527.

Ref:- 2: 501-521, 641-653.

Ref: - 4: 517-545, 943-967.

UNIT 5. Elimination Reactions:

(9 L, 12M)

Introduction, The reaction mechanisms: E1, E2, E1CB with evidences and factors affecting the reaction. E1 v/s E2 and Elimination v/s substitution. Anti and Syn elimination, Stereo electronic factors. Bredt's rule. Dehydrohalogenation, Dehalogenation, Dehydration, Hoffmann and Saytzeff's elimination, Pyrolytic elimination.

Ref:- 1: 382-406.

Ref:- 2 : 982-1010.

Ref: -4 : 273-310.

References

1. *Organic Chemistry, Second Edition. J. Clayden, N. Greeves & S. Warren and P. Wothers (Oxford).*
2. *Advanced Organic Chemistry-Reactions, Mechanisms and Structure, 5th Edition, Michael B. Smith, Jerry March., Wiley-VCH, Weinheim, 2000,*
3. *Advanced Organic Chemistry Part A- Structure and Mechanisms, 3rd Edition, A. Carey and R.J. Sundberg. Springer US, Third Edition*
4. *Organic Chemistry, 6th Edition, R. T. Morrison and R. N. Boyd.*
5. *Web- Organic Chemistry Portal*



CH-603

Subject- Spectroscopic Methods of Structure Determination

(Theory: Marks 60 Lectures = 45 hrs)

(Credits: 03)

Course Objectives

- To study principle of spectroscopy and to understand wave parameters and terms involved in spectroscopy.
- To study different types of spectroscopy.
- To understand principle, concept and the terms used in each type of spectroscopy.
- Interpretation of UV, IR, NMR spectra.
- Use of spectral data for determination of structure of unknown organic compounds.
- To study different applications of each type of spectroscopy.

Learning Outcomes

- Students will learn interaction of radiations with matter. They will understand different regions of electromagnetic radiations. They will know different wave parameters.
- Students will learn principle of mass spectroscopy, its instrumentation and nature of mass spectrum.
- Students will understand principle of UV spectroscopy and nature of UV spectrum. They will learn types of electronic excitations.
- Students will be able to calculate maximum wavelength for any conjugated system. And from the value of λ -max they will be able to find out extent of conjugation in the compound.
- Students will understand principle of IR spectroscopy, types of vibrations and the nature of IR spectrum.



- From IR spectrum, they will be able to find out IR frequencies of different functional groups. And thus, they will be able to find out functional groups present in the compound.
- Students will understand principle of NMR spectroscopy and will understand various terms used in NMR spectroscopy. They will learn measurement of chemical shift and coupling constants.
- Students will be able to interpret the NMR data and they will be able to use it for determination of structure of organic compound.
- Students will be able to determine structure of simple organic compounds on the basis of spectral data such as λ max values, IR frequencies, chemical shift (δ values).

UNIT 1. A) Introduction to Spectroscopy (9L, 12M)

Introduction, meaning of spectroscopy, nature of electromagnetic radiation, wave length, frequency, energy, amplitude, wave number, and their relationship, different units of measurement of wavelength and frequency, different regions of electromagnetic radiations. Interaction of radiation with matter. Excitation of molecules with different energy levels, such as rotational, vibrational and electronic level. Types of spectroscopy, advantages of spectroscopic methods

Ref:- 2: 1-19.

Ref:- 4 : 13-19.

B) Mass spectroscopy

Basic theory, Nature of mass spectrum, Importance of molecular ion peak, isotopic peaks, base peak, nitrogen rule, rule of 13 for determination of empirical formula and molecular formula.

Ref:- 1: 170-186.

Ref:- 2: 415-424.

Ref:- 3 : 2-15.

Ref:- 4 : 401-417.



UNIT 2. Ultra Violet Spectroscopy (9L, 12M)

Introduction, nature of UV spectrum, Beer's law, absorption of UV radiation by organic molecule leading to different excitations. Terms used in UV Spectroscopy: Chromophore,

Auxochrome, Bathochromic shift (Red shift), hypsochromic shift (Blue shift), hyperchromic and hypochromic effect. Effect of conjugation on position of UV band. Calculation of λ -max by Woodward and Fisher rules: for dienes and enone system, Applications of UV Spectroscopy: Determination of structure, determination of stereo chemistry (cis and trans), problems.

Ref:- 1: 1-27.

Ref:- 2: 9-53.

Ref:- 4: 367-398.

UNIT 3. Infra-red Spectroscopy (9 L, 12M)

Introduction, Principle of IR Spectroscopy, fundamental modes of vibrations (3N-6, 3N-5) Types of vibrations (Stretching and bending), Regions of IR Spectrum: functional group region, finger print region and aromatic region, Characteristic IR absorption of functional groups: Alkanes, alkenes, alkynes, alcohol, ethers, alkyl-halides, carbonyl compounds (-CHO, C=O, -COOR, -COOH), amines, amides and Aromatic Compounds and their substitution Patterns. Factors affecting IR absorption: Inductive effect, resonance effect, hydrogen bonding. Applications of IR Spectroscopy: determination of structure, chemical reaction and hydrogen bonding, Problems.

Ref:- 1 : 28-57.

Ref:- 2 : 65-154.

Ref:- 3 : 71-109.

Ref:- 4 : 26-93.

UNIT 4. NMR Spectroscopy (9L,12M)

Introduction, Principles of NMR Spectroscopy, Magnetic and nonmagnetic nuclei, Precessional motion of nuclei without mathematical details, Nuclear resonance, chemical shift, shielding, & deshielding effect. Measurement of chemical shift, delta and Tau-scales. TMS as reference and its advantages, peak area, integration, spin-spin coupling, coupling constants, *J*-value (Only first order coupling be discussed), problems.

Ref:- 1: 63-145.

Ref:- 2 : 185-356.

Ref:- 3 : 144-216.

Ref:-4 : 108-160.



UNIT 5. Combined Problems Based on UV, IR, NMR & Mass

(9 L, 12M)

Determination of structure of simple organic compounds on the basis of spectral data such as λ max values, IR frequencies, chemical shift (δ values), coupling constant, peak values provided to the students.

Reference Books:

1. *Spectroscopic Methods in Organic Chemistry*, D. H. Williams & I. Fleming, 5th Ed.
2. *Spectroscopy of Organic Compounds*, P. S. Kalsi, New Age Int. Pub., 6th Ed., 2007
3. *Spectrometric Identification of Organic Compounds*, R. M. Silverstein and F. X. Webster, John Wiley and Sons Inc, 7th Edition.
4. *Introduction to Spectroscopy*, Donald L. Pavia, Gary M. Lampman, George S. Kriz and J. R. Vyvyan. Indian Edition. Cengage Learning; 5th edition (2015)



CH-504

Subject- Industrial Chemistry

(Theory: Lectures 45 hrs, Marks 60)

(Credits: 03)

Course objectives

- To produce graduates with enhanced skills, applied knowledge, aptitude to carry out higher studies or research and development in the various industrial areas.
- To make the student cognizant about important aspects of Chemical Industries, Industrial work culture and environment.
- To prepare the students for immediate entry to the workplace with sound theoretical knowledge and some basic experimental concepts in the area of various industries viz. Sugar Industry, Fermentation Industry, Petroleum and Petrochemicals.
- To offers the synergism between basic concepts of Chemistry with Industrial applications.
- To equip the students with knowledge of some industrial organic synthesis as requirement of diverse chemical industries.
- Empower the students to understand the concepts in chemical processing, engineering and industrial development.

Learning outcomes

From the course CH: 504 Industrial Chemistry, the student will be able to understand....

- Basic requirements of Chemical Industry, different terms, operations and processes involved in chemical Industry.
- Describe Copy Right Act, Patent Act and Trade Marks, Bureau of Indian Standards (BIS) and International Organization for Standardization (ISO).



- Basic requirements, raw materials, different processes and operations involved in Sugar Industry and also different grades of sugar and uses of by-products of sugar industry.
- Importance of fermented products, basic requirements, theory and process of alcohol making, fractional distillation and various terms involved in Fermentation Industry.
- Understand Occurrence of Petroleum, theories of formation of Petroleum and different terms Viz. Knocking, Anti-Knock Compounds, Octane number, Cetane number, Gasohol and Power alcohol etc.
- Manufacturing processes involved in Industrial Organic Synthesis such as Methanol, Isopropanol, Glycerol, Acetylene and Aromatic hydrocarbon i.e. Toluene from petroleum with their uses.

UNIT 1: General Aspects of Industrial Chemistry

(L-9, M-12)

Introduction, Basic Requirements of Industrial Chemistry, Chemical Production, Raw Materials, Unit Process and Unit Operations, Quality Control, Quality Assurance, Process Control, Research and Development, Pollution Control, Human Resource, Safety Measures, Classification of Chemical Reactions, Batch and Continuous Process, Conversion, Selectivity, Yield, Copy Right Act, Patent Act and Trade Marks. Bureau of Indian Standards (BIS), International Organization for Standardization (ISO)

Ref.1: Chapter 2(26, 27, 31 to 36)

Ref.4: Chapter 1 and 2 (Relevant Pages)

Ref.6: Chapter 1, 2 and 3 (Relevant Pages)

Ref: Websites and Web Pages

www.wikipedia.org/wiki/patentact , www.wikipedia.org/wiki/trademarks,

www.wikipedia.org/wiki/trademarks,www.wikipedia.org/wiki/bis

www.wikipedia.org/wiki/iso



UNIT 2: Sugar Industry

Introduction, Sugar Industry in Maharashtra and India, Manufacture of Cane Sugar- [Refining (with flow sheet)], General Idea of Sulphitation and Carbonation, Concentration /Evaporation, Crystallization Separation of crystals. Grades, Baggase, Cellotex

Ref.3: Chapter 38 1208 to 1218 (Relevant Points Only)

UNIT 3: Fermentation Industry

(L-9, M-12)

Introduction, Alcohol fermentation, Uses of alcohol, Theory underlying process of making alcohols beverages, Manufacture of Beer, Manufacture of Spirit, Alcohol from Cane Sugar Molasses, Theory of fractional distillation – Coffey's still, Rectified spirit, Absolute alcohol, Fusel oil, Proof spirit, Denatured alcohol.

Ref.2:578-596.

Ref.3: Chapter 36, 1175-1190 (Relevant Points Only)

UNIT4: Petroleum Industry.

(L-9, M-12)

Occurrence, Petroleum producer countries in the world, Exploration Methods, Composition of Petroleum, Refining or Distillation of Petroleum, Anti-Knock Compounds, Octane number, Cetane number, Petrohol (their definitions only), Manufacture of Petrol or Gasoline by Bergius Method, Cracking process- Thermal, Catalytic, Hydro cracking.

Ref.1: 340 to 352, 356 to 358 and 363 to 368.

Ref.3: Chapter 4, 217 to 311 and Chapter 5, 312 to 342 (Relevant Points only)

UNIT 5: Industrial Organic Synthesis

(L-9, M-12)

Manufacture of methanol from synthesis gas, Isopropanol from propylene, Glycerol from propylene via allyl chloride, Acetone by catalytic dehydrogenation of isopropanol. (with flow sheet diagram), Unsaturated Hydrocarbon –preparation of Acetylene from Natural gas (with flow sheet), Aromatic hydrocarbon- Preparation of toluene (with flow sheet)

Ref.3: Chapter 11, 439 to 451 and Chapter 14, 493 to 522 (Relevant Points Only).

References:

1. *Principles of Industrial Chemistry*, Chris A Clausen III and Guy Mattson, John Wiley and Sons, Inc. Somerset, 1978, New York.
2. *Shreve's Chemical Process Industries*, George T. Austin, 5th Edition, The McGraw-Hill, 1984, New York.
3. *Industrial Chemistry*, B. K. Sharma, 16th Edition, Goel Publishing House, Meerut, (U.P.) 2011, India.
4. *Comprehensive Industrial Chemistry*, P.G. More, 1st Edition, Pragati Prakashan, Meerut, (U.P.) 2010, India.



Semester V

Elective Course

CH-506(B)

Subject- Green Chemistry

(Theory: Lectures = 45 hrs, Marks 60)

(Credits: 03)

Course Objectives:

- There is rising concern since 1970 about environmental pollution, depleting resources, climate change, ozone depletion, legislation which is getting stringent with strict environmental laws, rising cost of waste deposits, health concern and so on.
- We are facing the challenge to work towards sustainable development. Since 1990, today's society is moving towards becoming more and more environmentally conscious.
- Green chemistry has been introduced in 1990 for overall sustainable development against the environmental concerns.
- Green chemistry is not a new branch of chemistry, but it is a new way chemistry, which should be practiced regularly.
- Innovations and applications of green chemistry in education has helped companies not only to gain environmental benefits but at the same time to achieve economic and societal goals also.
- This is possible because these undergraduate students are ultimate scientific community of tomorrow.

Learning Outcomes:

- With this course, the graduate students will be able to understand the twelve principles of green chemistry that will help to build the basic understanding of toxicity, hazards and risk of chemical substances.
- The course will help to understand stoichiometric calculations and relate them to green chemistry metrics. The students will learn about atom economy and understand its importance over percentage yield.



- The students will learn to design safer chemicals, products and processes that are less toxic than the conventional chemistry, understand significance of catalysis, use of renewable feed stock, renewable energy sources, importance of green solvents, etc.
- The course will train the students to appreciate green chemistry and boost the students to think and develop the skills to innovate and search for the solutions to environmental problems.
- Green chemistry is only way of future chemistry to ensure sustainability with absolute zero waste. The success stories and real-world cases will motivate the young generation to practice green chemistry.

UNIT 1. Introduction to Green Chemistry

(L-04, M-04)

Definition of Green Chemistry. Drawbacks of conventional chemistry. Need of Green Chemistry, Minamata Disease. Goals of Green Chemistry

Ref:1 Relevant Pages

Ref:6 Relevant Pages

UNIT 2. Principles of Green Chemistry and Designing a Chemical Synthesis

(L-12, M-18)

Twelve principles of Green Chemistry, role of Paul T. Anastas, importance of green chemistry with examples: Prevention of waste/by-products, Atom economy, Prevention or Minimization of hazardous products, Designing safer chemicals, Energy requirements for synthesis, Selection of suitable solvents, Selection of starting materials, Use of protecting groups, Use of catalysts, Designing of biodegradable products, Prevention of chemical accidents, Strengthening of analytical techniques, industrial safety.

Ref:1 Relevant Pages

Ref:2 Relevant Pages



UNIT 3. Techniques in Green Chemistry

(L-12, M-16)

a) Microwave assisted synthesis- Introduction and importance, Applications- Esterification, Fries rearrangement, Orthoester Claisen Rearrangement, Diels-Alder Reaction, Hofmann Elimination.

b) Ultrasound assisted reactions- Introduction and importance, Application- Esterification, saponification, aromatic substitution reactions, alkylation, oxidation, reduction.

Ref:1 Relevant Pages

Ref:3 Relevant Pages

UNIT 4. Solvents, Reagents and Catalysts in Green Chemistry (L-14, M-18)

- a) Solvents- Introduction and Importance, Examples-Michael Addition in water, Bis-indolyl methane in ionic liquid, tetrazole synthesis in deep eutectic solvent.
- b) Reagents- Introduction and Importance, Examples- Alkylation using dimethyl carbonate, Solid phase peptide synthesis using Merrifield reagent.
- c) Catalysts- Introduction and Importance, Examples- Reduction of carbonyl group using Baker's yeast, Esterification using Lipase enzyme, Zeolite clay and Cyclodextrin.

Ref:1 Relevant Pages

Ref 2: Relevant Pages

UNIT 5. Future Trends in Green Chemistry (L-03, M-04)

Biomimetic, Photochemical reactions, Multifunctional Reagents, Green chemistry in sustainable development.

Ref:1 Relevant Pages

Ref 3: Relevant Pages

Ref 5: Relevant Pages

Reference Books:

1. *New Trends in Green Chemistry*, V.K. Ahluwalia and M.R. Kidwai: Anamalaya Publishers (2005).
2. *Green Chemistry- Theory and Practical*, P.T. Anastas and J.K. Warner: Oxford University Press (1998).
3. *Introduction to Green Chemistry*, A. S. Matlack: Marcel Dekker (2001).
4. *Real-World Cases in Green Chemistry*, M.C. Cann & M.E. Connely: American Chemical Society, Washington (2000).
5. *Introduction to Green Chemistry*, M. A. Ryan & M. Tinnesand, American Chemical Society, Washington, (2002).
6. *Silent Spring*, Rachel Carson, Houghton Mifflin Company, (1962).

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NORTH MAHARASHTRA UNIVERSITY, JALGAON
(NAAC Re-accredited 'A' Grade University)
FACULTY OF COMMERCE AND MANAGEMENT
CERTIFICATE COURSE IN GOODS & SERVICE TAX (GST)
PAPER I – INTRODUCTION TO GOODS & SERVICES TAX
(With effect from AY 2018-19)
[TOTAL MARKS: 60 EXTERNAL + 40 INTERNAL =100 MARKS]
TOTAL HOURS: 60

Note – For the purpose of examination provisions of Central Goods & Services Tax Act, 2017 amended up to six months prior to the date of examination, shall be applicable.

Objective:

To develop an understanding of the basic provisions of Goods & Services Tax Law.

Unit - 1 Basics of GST: -

10 Hours

- 1.1 History of Goods and Services Tax in World and in India
- 1.2 Overview of Constitutional Provisions: - Following articles of Indian Constitution:- Article 246, 246A, 265, 366 (12), 366(12A), 366(26A).
- 1.3 Merits and Demerits of GST
- 1.4 Types of GST

Unit - 2 Important Definitions under CGST Act: -

15 Hours

Aggregate Turnover, Business, Capital Goods, Goods, Service, Input Tax Credit, Inter-State and Intra-State Supply Of Goods And Services, Invoice and Tax Invoice, Taxable Supply and Non Taxable Supply, Continuous Supply, Mixed Supply, Composite Supply, Exempt Supply and Zero Rated Supplies, Nil Rated Supplies, Consideration and Non-Monetary Consideration, Reverse Charge.

Unit - 3 Levy and Collection of GST

10 Hours

- 3.1 Meaning and Scope of supply (Section 7).
- 3.2 Composition levy (Section 10).
- 3.3 Exemption from Tax

Unit - 4 Time and Value of Supply

10 Hours

- 4.1 Time of Supply of Goods and Services
- 4.2 Value of Supply of Goods and Services

Unit - 5 Input Tax Credit

15 Hours

- 5.1 Eligibility and Conditions for claiming I.T.C. (Section 16).
- 5.2 Apportionment of Credit
- 5.3 Non – Availability of Input Tax Credit
- 5.4 Reverse Charge Mechanism





NORTH MAHARASHTRA UNIVERSITY, JALGAON

(NAAC Re-accredited 'A' Grade University)

FACULTY OF COMMERCE AND MANAGEMENT

CERTIFICATE COURSE IN GOODS & SERVICE TAX(GST)

PAPER II- PROCEDURAL ASPECTS OF GOODS & SERVICES TAX

(With effect from AY 2018-19)

[TOTAL MARKS: 60 EXTERNAL + 40 INTERNAL =100 MARKS]

TOTAL HOURS: 60

Note - For the purpose of examination provisions of Central Goods & Services Tax Act, 2017 amended up to six months prior to the date of examination, shall be applicable.

Objective:

To develop basics understanding of procedural aspects of Goods & Service Tax Law .

Unit - 1 Registration under GST

12Hours

- 1.1 Persons liable for Registration, Persons not liable for registration
- 1.2 Compulsory Registration, Exemption
- 1.3 Procedure for Registration, Deemed Registration
- 1.4 Cancellation of Registration

Unit - 2 Maintenance of Records and Books

12Hours

- 2.1 Tax Invoice, time of issue of tax invoice (Rule 46 to 55)
- 2.2 Issue of debit note, issue of credit note
- 2.3 Types of Electronic Ledgers
- 2.4 Accounts and Period of Retention of Accounts (Rule No. 56 to 59)
- 2.5 E-way Bill

Unit - 3 Returns under GST

12Hours

- 3.1 Types of Returns and Furnishing of Returns
- 3.2 Matching, reversal and reclaim of ITC
- 3.3 Matching, reversal and reclaim of Output Tax Credit
- 3.4 Annual Return

Unit - 4 Payments under GST

12Hours

- 4.1 Payment of Tax, Interest and Penalty
- 4.2 Interest on delayed payment of tax
- 4.3 Collection of incorrect amount / rate of GST
- 4.4 Omission to collect GST in Invoice
- 4.5 Doctrine of Unjust Enrichment

Unit 5 Offences and Penalties

12 Hours

- 5.1 General Principles for imposing / not imposing penalties
- 5.2 Penalties for Offences under Section 122 of CGST Act.
- 5.3 General Penalties





NORTH MAHARASHTRA UNIVERSITY, JALGAON
(NAAC Re-accredited 'A' Grade University)
FACULTY OF COMMERCE AND MANAGEMENT
CERTIFICATE COURSE IN GOODS & SERVICE TAX
PAPER III-PRACTICALS BASED ON GOODS & SERVICES TAX
(With effect from AY 2018-19)
[TOTAL MARKS: 60 EXTERNAL + 40 INTERNAL =100 MARKS]
TOTAL HOURS: 80

Note - For the purpose of examination provisions of Central Goods & Services Tax Act, 2017 amended up to six months prior to the date of examination, shall be applicable.

Objective:

To develop practical ability to apply theoretical knowledge in addressing application oriented issues.

(Note:

1. These Internal assignments will be taught in dedicated Computer LABs of the Colleges or Institutes offering this certificate course and having Tally ERP software with GST and Internet facility.
2. Resource Trainer can be Faculty Members of the College or any Professional having membership of ICAI, ICSI or ICMAI or tax Professional or Tax Practicing Lawyer)

Part 1:Accounting For GST in Tally ERP(InternalAssignments) (24hours)

Assignment No1-Introduction to basicconcepts of Accountingw.r.t. GST (6Hours)

1.1 Important Accounting Terms:

Debtors, Creditors, Bill Receivable, Bills Payable, Credit Note Debit Note ,Petty Cash ,
Contra Entry ,Trade Discount ,Cash Discount,Suspense A/c, Cash A/c, Bank A/c

1.2. Journal –Meaning & Pro forma, Journal Entries for the following GST Based Transactions

1.3 Inter and Intra- State Sales, Purchases, Expenditure

1.4 Purchases and Sales of Fixed Asset

1.5 Set-Off and Payment of GST

1.6 Ledgers required for Accounting of GST based Transactions: Concept, Pro-forma, and Posting & Balancing of Ledger

1.7 Purchase and Sales Register (Simple and Columnar)

Assignment No.2Accounting in Tally ERP software with GST (6Hours)

2.1 Introduction to Tally

2.2 Versions & Features of Tally

2.3 Introduction to Gateway of Tally

2.4 Creation of Ledger Masters and Inventory Masters with Special Emphasis on GST

2.5 Vouchers in Tally -Purchase, Sales, , Receipt, Payment vouchers, Debit and Credit Note.

2.6 Sales Invoice, Debit and Credit Note Printing through Tally

2.7 Sales and Purchase Register (Columnar)

2.8 Export feature under Tally

2.9 GST Related Reports from Tally

2.10 Trial Balance and Financial Statements in Tally- P & L A/c, Balance Sheet





॥ अंतरी पेटवू ज्ञानज्योत ॥

कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

अभ्यास मंडळ विभाग

जा.क्र. : उमवि/२१/Environmental Studies/५२७/२०१८

दिनांक:- २२/११/२०१८

प्रति,

क.ब.चौ.उमविशी संलग्न सर्व महाविद्यालयांचे मा.प्राचार्य
व मान्यता प्राप्त परिसंस्थांचे मा. संचालक आणि
मा.विभाग प्रमुख विद्यापीठ शैक्षणिक प्रशाळा / विभाग यांना...

विषय :- Environmental Studies या विषयाचे अभ्यासक्रमा संदर्भात.

महोदय / महोदया,

उपरोक्त विषयांस अनुसरून आपणांस कळविण्यात येते की, मा.सर्वोच्च न्यायालयाचे निर्णयानुसार पर्यावरण संतुलन राखण्यासाठी प्रथम वर्षास प्रवेशित विद्यार्थ्यांसाठी सहा महिन्यांचा पर्यावरणशास्त्र विषयाचा अभ्यासक्रम जून, २००४ पासून सर्व विद्याशाखांमध्ये समाविष्ट करण्यात आलेला आहे.

शैक्षणिक वर्ष २०१८-१९ पासून प्रथम वर्ष कला विज्ञान व वाणिज्य वर्गांना Choice Based Credit System लागू करण्यात आलेली असल्याने Environmental Studies या विषयाचा अभ्यासक्रम Ability Enhancement Course अंतर्गत Choice Based Credit System प्रमाणे तयार करणेसाठी नियुक्त समितीच्या सभेत Environmental Studies विषयाच्या गुणांची विभागणी (Marks Pattern) देखील ६०:४० प्रमाणे करण्यात यावी, व गुणांकन (Marks Pattern) पुढील प्रमाणे करण्यात यावे, असे ठरले आहे.

लेखी परीक्षा (Theory)	६० गुण
अंतर्गत (Internal) परीक्षा फिल्ड वर्क / व्हायवा	४० गुण
एकूण	१०० गुण

अंतर्गत ४० गुणांची विभागणी पुढील प्रमाणे करण्यात यावी.

उपस्थिती (Attendance)	०५ गुण
वर्तणूक (Behaviour)	०५ गुण
व्हायवा (Viva-voce)	१० गुण
फिल्ड वर्क (Report of field Work)	२० गुण
	४० गुण

त्याअनुषंगाने Environmental Studies या विषयाचा अभ्यासक्रम विद्यापीठ अनुदान आयोगाने दिलेला असून तो जसाचे तसा लागू करण्यात आलेला असल्याने अभ्यासक्रमात बदल न करता अभ्यासक्रम तोच ठेवण्यात आला आहे. सदरचा अभ्यासक्रम उमविच्या संकेत स्थळावर अपलोड करण्यात आला आहे. तरी वरील आशय सर्व संबंधित प्राध्यापक व विद्यार्थी यांचे निदर्शनास आणून देवून पुढील योग्य ती कार्यवाही करून विद्यापीठास सहकार्य करावे, ही विनंती.

म.कळावे,



आपला विश्वासू,

Stran
(ए.सी.ममारे)

उपकुलसचिव
अभ्यास मंडळ विभाग

**Six Months Module Syllabus
for
Environmental Studies
for
Under Graduate Courses**



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI- 110 002

2003



CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES
FOR UNDER GRADUATE COURSES OF ALL BRANCHES
OF HIGHER EDUCATION

Vision

The importance of environmental science and environmental studies cannot be disputed. The need for sustainable development is a key to the future of mankind. Continuing problems of pollution, loss of forest, solid waste disposal, degradation of environment, issues like economic productivity and national security, Global warming, the depletion of ozone layer and loss of biodiversity have made everyone aware of environmental issues. The United Nations Conference on Environment and Development held in Rio de Janeiro in 1992 and World Summit on Sustainable Development at Johannesburg in 2002 have drawn the attention of people around the globe to the deteriorating condition of our environment. It is clear that no citizen of the earth can afford to be ignorant of environment issues. Environmental management has captured the attention of health care managers. Managing environmental hazards has become very important.

Human beings have been interested in ecology since the beginning of civilization. Even our ancient scriptures have emphasized about practices and values of environmental conservation. It is now even more critical than ever before for mankind as a whole to have a clear understanding of environmental concerns and to follow sustainable development practices.

India is rich in biodiversity which provides various resources for people. It is also basis for biotechnology.

Only about 1.7 million living organisms have been described and named globally. Still many more remain to be identified and described. Attempts are made to



conserve them in ex-situ and in-situ situations. Intellectual property rights (IPRs) have become important in a biodiversity-rich country like India to protect microbes, plants and animals that have useful genetic properties. Destruction of habitats, over-use of energy resource and environmental pollution have been found to be responsible for the loss of a large number of life-forms. It is feared that a large proportion of life on earth may get wiped out in the near future.

In spite of the deteriorating status of the environment, study of environment has so far not received adequate attention in our academic programmes. Recognizing this, the Hon'ble Supreme Court directed the UGC to introduce a basic course on environment at every level in college education. Accordingly, the matter was considered by UGC and it was decided that a six months compulsory core module course in environmental studies may be prepared and compulsorily implemented in all the University/Colleges of India.

The experts committee appointed by the UGC has looked into all the pertinent questions, issues and other relevant matters. This was followed by framing of the core module syllabus for environmental studies for undergraduate courses of all branches of Higher Education. We are deeply conscious that there are bound to be gaps between the ideal and real. Genuine endeavour is required to minimize the gaps by intellectual and material inputs. The success of this course will depend on the initiative and drive of the teachers and the receptive students.

SYLLABUS

Unit 1 : Multidisciplinary nature of environmental studies

Definition, scope and importance

(2 lectures)

Need for public awareness.



Unit 2 : Natural Resources :

Renewable and non-renewable resources :

Natural resources and associated problems.

- a) Forest resources : Use and over-exploitation, deforestation, case studies.
Timber extraction, mining, dams and their effects on forest and tribal people.
 - b) Water resources : Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
 - c) Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - d) Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
 - e) Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies.
 - f) Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
 - Equitable use of resources for sustainable lifestyles.

(8 lectures)

Unit 3 : Ecosystems

- Concept of an ecosystem.



- Structure and function of an ecosystem.
- Producers, consumers and decomposers.
- Energy flow in the ecosystem.
- Ecological succession.
- Food chains, food webs and ecological pyramids.
- Introduction, types, characteristic features, structure and function of the

following ecosystem :-

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lectures)

Unit 4 : Biodiversity and its conservation

- Introduction – Definition : genetic, species and ecosystem diversity.
- Biogeographical classification of India
- Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values
- Biodiversity at global, National and local levels.
- India as a mega-diversity nation



- Hot-spots of biodiversity.
- Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts.
- Endangered and endemic species of India
- Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.

(8 lectures)

Unit 5 : Environmental Pollution

Definition

- Cause, effects and control measures of :-
 - a. Air pollution
 - b. Water pollution
 - c. Soil pollution
 - d. Marine pollution
 - e. Noise pollution
 - f. Thermal pollution
 - g. Nuclear hazards
- Solid waste Management : Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Pollution case studies.
- Diaster management : floods, earthquake, cyclone and landslides.

(8 lectures)



Unit 6 : Social Issues and the Environment

- From Unsustainable to Sustainable development
- Urban problems related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement and rehabilitation of people; its problems and concerns. Case Studies
- Environmental ethics : Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies.
- Wasteland reclamation.
- Consumerism and waste products.
- Environment Protection Act.
- Air (Prevention and Control of Pollution) Act.
- Water (Prevention and control of Pollution) Act
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation.
- Public awareness.

(7 lectures)

Unit 7 : Human Population and the Environment

- Population growth, variation among nations.
- Population explosion – Family Welfare Programme.



- Environment and human health.
- Human Rights.
- Value Education.
- HIV/AIDS.
- Women and Child Welfare.
- Role of Information Technology in Environment and human health.
- Case Studies.

(6 lectures)

Unit 8 : Field work

- Visit to a local area to document environmental assets-
river/forest/grassland/hill/mountain
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural
- Study of common plants, insects, birds.
- Study of simple ecosystems-pond, river, hill slopes, etc. (Field work Equal to 5
lecture hours)



SIX MONTHS COMPULSORY CORE MODULE COURSE IN
ENVIRONMENTAL STUDIES : FOR UNDERGRADUATES

Teaching Methodologies

The core Module Syllabus for Environment Studies includes class room teaching and Field Work. The syllabus is divided into eight units covering 50 lectures. The first seven units will cover 45 lectures which are class room based to enhance knowledge skills and attitude to environment. Unit eight is based on field activities which will be covered in five lecture hours and would provide student first hand knowledge on various local environmental aspects. Field experience is one of the most effective learning tools for environmental concerns. This moves out of the scope of the text book mode of teaching into the realm of real learning in the field, where the teacher merely acts as a catalyst to interpret what the student observes or discovers in his/her own environment. Field studies are as essential as class work and form an irreplaceable synergistic tool in the entire learning process.

Course material provided by UGC for class room teaching and field activities be utilized.

The universities/colleges can also draw upon expertise of outside resource persons for teaching purpose.

Environmental Core Module shall be integrated into the teaching programmes of all undergraduate courses.

Annual System : The duration of the course will be 50 lectures. The exam will be conducted along with the Annual Examination.



Semester System : The Environment course of 50 lectures will be conducted in the second semester and the examination shall be conducted at the end of the second semester.

Credit System : The course will be awarded 4 credits.

Exam Pattern : In case of awarding the marks, the question paper should carry 100 marks. The structure of the question paper being :

Part-A, Short answer pattern	-	20 marks
Part-B, Essay type with inbuilt choice	-	40 marks
Part-C, Field Work	-	40 marks



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(M) Magazine

(R) Reference

(TB) Textbook



Mmbers of the Expert Committee on Environmental Studies

1. Prof. Erach Bharucha
Director
Bharati Vidyapeeth
Institute of Environment Education &
Research, Pune
2. Prof. C. Manoharachary
Department of Botany
Osmania University
Hyderabad
3. Prof. S. Thayumanavan
Director
Centre for Environmental Studies
Anna University, Chennai
4. Prof. D.C. Goswami
Head, Deptt. Of Environment Science
Gauhati University
Guwahati-781 014
5. Shri R. Mehta
Director EE Division
Ministry of Environment & Forest
Prayavaran Bhawan, CGO Complex
Lodhi Road, New Delhi-110 003

UGC OFFICIALS

6. Dr. N. K. Jain
Joint Secretary
UGC, New Delhi

