### PATHRI TALUKA SHIKSHAN PRASARAK MANDAL'S

KATRUWAR ARTS, RATANLAL KABRA SCIENCE & B.R. MANTRI COMMERCE COLLEGE, MANWATH - 431 505 DIST. PARBHANI (M.S.)



कत्रुवार कला, रतनलाल काबरा विज्ञान व बी. आर. मंत्री वाणिज्य महाविद्यालय, मानवत जि. परभणी — ४३१५०५.

BEST COLLEGE AWARD 2010 Re-Accredited with 'B' grade by NAAC

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)
Prin.: (02451) 240535, Office: 240087, Fax: 240535, Resi.: 240547 e-mail: principalkkmcm@gmail.com

# Criterion- I Curricular Aspects

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

[2022-23 to 2018-19]

PATHRI TALUKA SHIKSHAN PRASARAK MANDAL'S

MANWATRUWAR ARTS, RATANLAL KABRA SCIENCE & B. R. MANTRI COMMERCE COLLEGE, MANWATH-431 505 DIST. PARBHANI (M.S.)



कत्रुवार कला, रतनलाल काबरा विज्ञान आणि बी.आर. मंत्री वाणिज्य महाविद्यालय, मानवत - 431505 जि. परभणी (महा.)

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Dr. B. S. Munde PRINCIPAL

# **Certificate of Declaration**

The information, reports, true copies of the supporting documents, numerical data, etc. furnished in this file is verified by IQAC and found correct.

Hence certified.

Dr. Durgesh Ravande Dr. Durgesh B. Ravande, Coordinator, IQAC, K.K.M.College, Manwath, Dist.Parbhani-431505

Dr. Bhaskar S. Munde

Chairman, IQAC and Principal

Katruwar Arts R. Kabra Science & B. R. Mantri Commerce College MANWATH, Dist, PARBHAN



### Swami Ramanand Teerth Marathwada University, Nanded Undergraduate Syllabus (C.B.C.S. Pattern) w.e.f. 2019-20

### B.A./B.Sc./B.Com./B.S.W. First Year Compulsory/Additional (S.L.)/Functional/Optional English Syllabus w.e.f. 2019-20

### Compulsory English

Semester	AECC Paper No.	Name of the course	Lectures per week	Total periods	C.I.E.	E.S.E.	Total marks	Credits
1	1	AECC English Communication	05	55	35	40	75	03
II	2	AECC English Communication	05	55	35	40	75	03

## Additional (S.L.) English

Semester	Additional (S.L.) Paper No.	Name of the course	Lectures per week	Total periods	C.I.E.	E.S.E.	Total marks	Credits
1	1	Additional English	04	45	35	40	75	03
II	2	Additional English	04	45	35	40	75	03

Dr. Durgesh B.Ravande, Coordinator, IQAC, K.K.M.College, Manwath, Dist. Parbhani-431505

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Name of the course:

(Ability Enhancement Compulsory Course): English Communication B.A./B.Sc./B.Com./B.S.W. First Year (Semesters I and II)

### Objectives:

- 1) To enable the leaners to communicate in English through close reading of select literary texts.
- 2) To develop the skills of speaking, listening, reading, writing, viewing and representing by conducting classroom activities prescribed in the curriculum.
- 3) To enable the leaners to make the use of English language for shaping and making meaning according to purpose, audience and thecontext.
- 4) To train the learners think in ways that are imaginative, creative, interpretive and critical.
- 5) To help the learners for acquiring ways of expressing themselves and their relationships with others and their world.
- 6) To induce the learners for reflecting on their learning through their study of English.

### Intended Outcomes:

- 1) Through responding to and composing a wide range of texts, the learners will begin to use the English language in the best possible manner.
- 2) Through the close study of texts, students will develop knowledge, understanding and skills in order to communicate effectively in English.
- 3) Learners will value and appreciate the importance of the English language as a key to learning.
- 4) Learners will gain the personal enrichment from study of literary pieces in English.

5) Learners will acquire ability to communicate through oral and written texts.

Dr.Durgesh B.Ravande, Coordinator, IQAC, K.K.M.College, Manwath,

Dist.Parbhani-431505

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### Under Graduate Third Year Syllabus & Work Load Distribution

### Semester Pattern effective from 2021

Subject: Hindi (Optional)

Semester		Paper No.	Lecturers/week	Total No.of Lecturers	CA	ESE	Total Marks	Credits
	I Elective	Hindi (Optional IX)	4	55	25	50	75	3
Semester V	Generic	Hindi (Optional) X	4	55	25	50	75	3
	SEC III	Hindi Koshal	3	45	25	25	50	2
		Total V	11	155	75	75	200	8
	II Elective	Hindi (Optional) XI	4	55	25	50	75	3
Semester VI	Generic	Hindi (Optional) XII	4	55	25	50	75	3
	SEC IV	Hindi Kaushal	3	45	25	25	50	2
		Total VI	11	155	75	125	200	8
		Total V,VI	22	310	190	210	400	16

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### हिंदी साहित्य का इतिहास

# • उदेश्य एवं महत्व :

- i) हिंदी साहित्य के बृहत इतिहास का परिचय कराना।
- ii) हिंदी साहित्य के सृजन की पृष्ठभूमि को समझना।
- iii) साहित्यिक प्रवृत्तिओं की परम्परा को समझना।
- iv) साहित्य के माध्यम से जीवनमूल्यों एवं जीवन दर्शन को समझना।
- v) भाषाई शिल्प के परिवर्तनों को समझना।
- vi) हिंदी साहित्य के आदिकाल तथा रीतिकाल का संक्षिप्त परिचय देना।
- vii) भिक्तकाल तथा आधुनिक काल की प्रवृत्तियों से छात्रों को अवगत कराना।

### • महत्व:

इतिहास का अध्ययन महत्वपूर्ण है, क्योंकि इतिहास की पुनरावृत्ति होती है इसिलए किसी भी साहित्य के इतिहास का अध्ययन भविष्यकालीन निर्माण में अत्यंत आवश्यक होता है। साहित्य की परिस्थितियाँ हमारे वर्तमान जीवन को बनाने में सहयोग देती है। तत्कालीन जीवमूल्य, जीवन दर्शन, समस्याएँ, संस्कृति का वर्तमान से सह-संबंध समापित होकर नये जीवन और कलाओं का निर्माण होता है।

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### हिंदी भाषा कौशल III, IV

### उद्देश्य :

- छात्रों में व्यवसायाभिमुख कौशल विकसित करना।
- कौशल के अनेक क्षेत्रों से हिंदी को जोड़ना।
- छात्रों में लेखन कौशल विकसित करना।
- छात्रों को रोजगार के अवसरों से परिचित एवं प्रेरित करना।
- छात्रों को कौशल के माध्यम से सम्पूर्ण व्यक्तित्व को विकसित करना।
- कौशल विकास के माध्यम से राष्ट्र निर्माण में योगदान देना।

### • महत्त्व

बदलते वैश्विक परिदृश्य में आज अर्थ महत्त्वपूर्ण हो गया है जिसके परिणामस्वरूप बाजारवाद को बढ़ावा मिला है। अतः शिक्षा क्षेत्र में भी पारंपारीक शिक्षा के साथ-साथ कौशल विकास के माध्यम से छात्रों को कार्यकुशल बनाना वर्तमान समय की माँग है। विश्व में भारत की 'युवाओं का राष्ट्र' ऐसी पहचान बन रही है।इस युवाशक्ति की क्षमता को राष्ट्रनिर्माण के लिए उपयोग में लाना आवश्यक है। इसिलए युवाओं में कौशल विकास का होना अनिवार्य है। विज्ञानएवं औद्योगिकी, अभियांत्रिकी, चिकित्सा, विधि तथा प्रबंधन में हिंदी भाषा कौशल अध्याधिक मात्रा में दिखाई देता है।

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# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ नांदेड

विषय: मराठी

पदवी तृतीय वर्ष अभ्यासक्रम - श्रेयांक पध्दतीनुसार (C.B.C.S.) सत्र पध्दतीनिहाय कौशल्य विकास (SEC), वैकल्पिक (Elective) व सामान्य (Generic) अभ्यासक्रम

जून २०२१ पासून लागू

3	9	\$	8	4	Ę	9	6	9
सत्र	अभ्यासपत्रिका संकेतांक व क्रमांक	अभ्यास पत्रिकेचे नाव	आठवड्याच्या तासिका	एकूण तासिका	अंतर्गत मूल्यांकन गुण	सत्र गुण ESC	एकूण गुण	श्रेयांक
	DSE-MAR-1 (Elective)	मध्ययुगीन मराठी वाङ्मयाचा इतिहास	8	५५	२५	40	૭૫	3
V	GE-MAR-1 (Generic)	साहित्यविचार	8	५५	२५	40	७५	3
	कौशल्य विकास अभ्यासक्रम (SEC-III)	मराठी भाषिक कौशल्ये विकास	ş	४५	રવ	२५	40	8
	DSE-MAR-2 (Elective)	मध्ययुगीन मराठी वाड्मयाचा इतिहास	8	યથ	74	40	७५	ą
VI	GE-MAR-2 (Generic)	भाषाविज्ञान आणि व्याकरण	Х	६५६	24	40	હિધ	3
	कौशल्य विकास अभ्यासक्रम (SEC-IV)	मराठी भाषिक कौशल्ये विकास	3	४५	રવ	२५	40	?

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# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

# बी.ए. तृतीय वर्ष श्रेयांक (CBCS) पद्धतीनुसार

विषय : मराठी (वैकल्पिक-Elective) अभ्यासक्रम

जून - २०२१ पासून लागू

सत्र - पाचवे

# अभ्यासपत्रिकेचे शीर्षक - मध्ययुगीन मराठी वाड्:मयाचा इतिहास

# अभ्यासपत्रिका संकेतांक - DSE-MAR-1

# उद्दिष्टे:

- १) मध्ययुगीन मराठी वाङ्मय निर्मितीच्या प्रेरणा समजून घेणे.
- २) मध्युयगीन मराठी वाङ्भयाचे स्वरुप, पंरपरा व इतिहास यांचा परिचय देणे.
- ३) मध्ययुगीन कालखंडातील वाङ्मयाच्या सामाजिक तथा सांस्कृतिक पार्श्वभूमीचा अभ्यास करणे.
- ४) मध्ययुगीन कालखंडातील विविध संप्रदायाच्या विचारधारा समजून देणे.
- ५) मध्ययुगीन कालखंडातील वाड्मयाबद्दलची अभिरुची वाढविणे.

# उपयोगिता

- १) मध्ययुगीन कालखंडातील महत्त्वपूर्ण भक्तिसंप्रदायांची ओळख .
- २) मध्ययुगीन कालखंडातील वाङ्मयातून प्रकट झालेल्या मानवी मूल्यांचे आकलन
- ३) मध्ययुगीन मराठी वाङ्मयीन चळवळी व प्रेरणांचे आकलन.
- ४) मध्ययुगीन वाङ्गयाच्या निर्मितीवर आणि वाङ्गयाच्या स्वरुपाचे ज्ञान.
- ५) मध्ययुगीन कालखंडातील वाङ्मयीन रचना प्रकारांचा परिचय.

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# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

पदवी तृतीय वर्षासाठी - श्रेयांक (CBCS) पद्धतीनुसार

विषय : मराठी कौशल्य विकास अभ्यासक्रम (Skill Enhancement Cource)

जून - २०२१ पासून लागू

सत्र - पाचवे

अभ्यासपत्रिकेचे शीर्षक - मराठी भाषिक : कौशल्ये विकास भाग- एक अभ्यासपत्रिका संकेतांक - SEC-III

### उद्दिष्टे :

- १) विद्यार्थ्यांच्या भाषिक क्षमतांचा अभ्यास करणे.
- २) मराठी भाषिक कौशल्ये विकसित करणे.
- ३) मराठी भाषेचे उपयोजन व विविध क्षेत्रांतील व्यवसायाच्या संधींची माहिती करून देणे.
- ४) मराठी भाषेतील ग्रंथ प्रकाशनाचे एकूण स्वरूप समजून देणे.
- ५) मराठी भाषेची उपयुक्तता आणि वैशिष्ट्यांची ओळख करून देणे.

## उपयोगिता:

- १) मराठी भाषिक क्षमतांच्या वाढीस मदत.
- २) मराठी भाषिक कौशल्ये विकासाला वाव.
- ३) विविध क्षेत्रातील व्यावसायिक संधी.
- ४) मराठी भाषेतील ग्रंथ प्रकाशनाचे स्वरूप समजून घेण्यास मदत.

### अभ्यासघटक :

प्रकरण - १ मराठी भाषा कौशल्ये आणि व्यवसायाच्या संधी १५ तासिका

- अ) मराठी भाषिक कौशल्ये वाचन, लेखन, भाषण, संभाषण
- ब) पटकथा, ब्लॉग लेखन वृत्तांत, अहवाल, टिप्पणी
- इ. लेखनाचे स्वरूप

०५ तासिका

क) विविध क्षेत्रांत व्यवसायाच्या संधी (पत्रकारिता, प्रसारमाध्यमातील कार्य)

ड) प्रात्यक्षिक कार्य

१० तासिका

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Dr.Durgesh B.Ravande, Coordinator,IQAC, K.K.M.College,Manwath, Dist.Parbhani-431505



# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड बी.ए. तृतीय वर्ष श्रेयांक (CBCS) पद्धतीनुसार

विषय : मराठी (वैकल्पिक-Elective) अभ्यासक्रम

जून - २०२१ पासून लागू

सत्र - पाचवे

अभ्यासपत्रिकेचे शीर्षक - मध्ययुगीन मराठी वाङ्मयाचा इतिहास अभ्यासपत्रिका संकेतांक - DSE-MAR-2

# उद्दिष्टे :

- १) मध्ययुगीन मराठी वाङ्भयनिर्मितीच्या प्रेरणा समजून घेणे.
- २) मध्युयगीन मराठी वाङ्मयाचे स्वरुप, पंरपरा व इतिहास यांचा परिचय देणे.
- ३) मध्ययुगीन कालखंडातील वाङ्गयाच्या सामाजिक तथा सांस्कृतिक पार्श्वभूमीचाअभ्यास करणे.
- ४) मध्ययुगीन कालखंडातील विविध संप्रदायांच्या विचारधारा समजून देणे.
- ५) मध्ययुगीन कालखंडातील वाङ्गयाबद्दलची अभिरुची वाढविणे.

# उपयोगिता:

- १) मध्ययुगीन कालखंडातील महत्वपूर्ण भक्तिसंप्रदायांची ओळख .
- २) मध्ययुगीन कालखंडातील वाङ्गयातून प्रकट झालेल्या मानवी मूल्यांचे आकलन
- ३) मध्ययुगीन मराठी वाङ्गयीन चळवळी व प्रेरणांचे आकलन.
- ४) मध्ययुगीन वाङ्मयाच्या निर्मितीचे आणि वाङ्मयाच्या स्वरुपाचे ज्ञान.
- ५) मध्ययुगीन कालखंडातील वाङ्मयीन रचनाप्रकारांचा परिचय.

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PRINCIPAL

Katruwar Arts R. Kabra Science

& B. R. Mantri Commerce College

MANWATH, Dist, PARRHAM



# B.A. Third Year, Semester V and VI

### Semester Pattern 2021-2022

(Choice Based Credit System)

Semester	Core Course	Paper No.	Name of Paper	Lecture /week	Total No. of Lectures	CA	ESE	Total Marks	Credits
V	DSE HIS-I	IX	History of Modern India (1857A.D. to 1947 A.D.) <b>OR</b> Landmarks of World History	4	55	25	50	75	03
	DGE HIS-II	х	Social Reformers in Maharashtra & Awakening Movements	4	55	25	50	75	03
	SEC	- III	Appreciation of Indian Art	3	45	25	25	50	02
	Total			11	155	75	125	200	08
	DSE HIS-II	XI	History of Modern India (1857A.D. to 1947 A.D.) <b>OR</b> Landmarks of World History	4	55	25	50	75	03
VI	DGE HIS-II	XII	Social Reformers in Maharashtra & Awakening Movements	4	55	25	50	75	03
	SEC	IV	Appreciation of Indian Art	3	45	25	25	50	02
m . 1 .	Total			11	155	75	125	200	08
Total V+	VI Semes	ter		22	310	150	250	400	16

#### Note:

- 1. DSE HIS: Discipline Specific Elective Course of History
- 2. DGEHIS: Discipline Generic Elective Course of History
- 3. SEC: Skill Enhancement Course.
- 4. CA: Continuous Assessment.
- 5. ESE: End of Semester Examination

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### **B.A.** Third Year

Semester V & VI

Paper -DSE HIS - I & II

### Landmarks of World History

Credits -03

Lectures -55

Marks -75

Internal Mark - Test-I -10, Assignment-10, Attendance/ Seminar-05 = 25, Theory Exam- 50 = Total Marks -75

### Features:-

- 1) This paper helps to study the various events in the world.
- 2) The history of modern world is motivational and inspirational.
- 3)18th century were transformational in term of Human development in history of world.
- 4) Mankind began to move from slavery towards human right with the liberty, equality & Fraternity.
- 5) The platform was provided through League of Nations and united nation organizations to solve the various issues at international level.

### Objectives:-

- 1. To introduce the major events in the World history.
- 2. To unfold the global history with the reference to the present issues.
- 3. To narrate the rise of the various ideologies for the human welfare.
- 4. To examine peace keeping process in the modern World.
- 5. To state the importance of the brotherhood, peace, co-operation and National security.

### Utility:

- 1. The students will perceive the great revolutions like American Revolution, French Revolution, & Russian revolution.
- 2. Students will study the social and economical changes in the world history.
- 3. Student will understand the relations between the nations in the world.
- 4. Students will streamline the role of League of Nations and U.N.O.
- 5. Students understand the consequences of the First and the Second World War regarding the present global crises.

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#### B.A. Third Year

Semester V& VI Paper -DGE HIS I & II
Social Reformers in Maharashtra & Awakening Movements

Internal Marks - Test-I -10, Assignment-10, Attendance/ Seminar-05 = 25, Theory Exam- 50 = Total Marks -75

### Features:-

- 1) This paper deal with achievements in social & Educational fields of Modern Maharashtra
- 2) The women emancipation movement is illustrated in this paper.
- 3) This paper put light on the transformation of Modern Maharashtra with various aspects.
- 4) This paper will enable the enlightened thinking of the students.
- 5) This Paper shows the difficulties faced by Social Reformers for Maharashtra.

### Objectives:-

- 1. To acquaint the students with social change process in Modern Maharashtra.
- 2. To introduce the educational development in Modern Maharashtra.
- 3. To enhance the scientific outlook among the students.
- 4. To enhance the perception ability of the students.
- 5. To widen the broad view of the students about the society.
- 6. To create awareness among the students about Organ Donation.

#### Utility:

- 1. To aware the students to know the contribution of Social Reformers.
- 2. To contribute constructively towards the building of society.
- 3. To make preparation for competitive examinations.
- 4. To maintain the social harmony.
- 5. To know the legacy of the great social reformers and thinkers.

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### B.A. Third Year-Skill Enhancement Course

Semester V & VI

Paper -III & IV

**Appreciation of Art** 

Internal Marks - Test-10, Seminar-15 = 25, Theory Exam- 25 = Total Marks -50

### Features:-

- 1) This paper deal with rich heritage of India & Maharashtra.
- 2) This paper put light on the variations of Art & Architecture in India.
- 3) This paper aware about responsibilities towards Indian Heritage & Conservation.
- 4) This paper encourages enlightening about our nearby historical sites.

### Objectives:-

- 1. To introduce the students to the Indian art from past to present.
- 2. To unfold aesthetic prosperity of the Indian art.
- 3. To appreciate the various contexts of Indian art.
- 4. To give wide exposure to the Indian art through site visits and visual effects.
- 5. To create awakening to conserve the historical heritage by way of establishing Museums. **Utility:**
- 1. To enhance the views regarding the Indian Art.
- 2. To enrich the historical understanding of the students with reference to creative arts.
- 3. To enable the students for their vocational careers.
- 4. To get jobs in Archaeology Department and Tourism Industries.
- 5. To conserve the historical Monuments and places in their local areas.

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# Swami RamanandTeerthMarathwada University,Nanded SyllabusforThirdYear Optional English

(To be implemented from the academic year 2021-22) OptionalEnglish

Semester	Paper /cours ecode	Nameoftheco urse	Lectures per week	TotalP eriods	InternalEv aluation(C A)	End Sem. Exam. (E.S.E.)	Total Marks	Credits
V	DSE- ENG -I	Literary Criticism I	04	55	25	50	75	3
VI	GE- ENG -I	Modern English Structures: Understanding English Phonology	04	55	25	50	75	3
V	DSE- ENG- II	Literary Criticism II	04	55	25	50	75	3
VI	GE- ENG -II	ModernEnglis hStructures: Understanding English Grammar	04	55	25	50	75	3

### SkillEnhancementCourse

Semester	Paper /cours ecode	Nameofthec ourse	Lecturespe rweek	Total Period s	InternalEv aluation(C A)	End Sem. Exam. (E.S.E.)	Total Mark s	Credits
V	SEC- ENG- III	LifeSkills-I	03	45	25	25	50	2
VI	SEC- ENG- IV	LifeSkills-II	03	45	25	25	50	2

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### SyllabusforSkillEnhancementCourse(SEC)-

#### **ThirdYear**

Title ofthe course: LifeSkills-I-SemesterV

Course/Papercode:SEC-ENG-IIICredits:02(Marks:50)Periods:4

5(ESE-25Marks) (CA-25Marks)

### SalientFeaturesoftheCourse

- 1. The course prepares the learners for a smooth entry into the world of work
- 2. Self-awarenessandsocialawarenessaredeveloped
- 3. Skillnecessaryfordigitallifestyleareintroduced

### UtilityoftheCourse:

- 1) Developing personal and social skills in the learners
- 2) Creatinggenderawareness
- 3) Developingskillsforindividualandgroupactivities

### Objectives:

- $1) \ To assist the learners for a smooth transition from student life into the world of work.$
- 2) Todeveloptheskillsnecessary for understanding one self and the sociocultural group.
- 3) Tohelpthelearnerschoosethebestwaysofutilizing theirtime, efforts and mentalenergies.
- 4) Toprovidetraininginskillsrequiredtofind,understand,evaluate,create,andcommunicatedigitali nformationin a widevarietyofformats.
- 5) Tomakethelearnersabletousediversetechnologiesappropriatelyandeffectivelytoretrieveinfor mation, interpretresults, and judgethequality of that information.

### PrerequisitesfortheCourse:

- 1. Handouts, coursematerial and activity sheets
- 2. Progresschartoflearnersforevaluationoftheirperformance.
- 3. The following facilities would be of additional help:

ComputerSystemwithinternetconnectivity,LCDProjectorandScreen

### UnitI:AcquisitionofPersonalandSocialSkills

- 1) CriticalandLateralthinking
- 2) Civicskillsandsocialresponsibility
- 3) Self-awareness, mindfulness and self-esteem:
  - a) Decisionmaking
  - b) Timemanagement
  - c) Goalsetting
- 4) GenderSensitization

### UNIT:II--ContinuousAssessment(CA)[Marks:25]Periods20

Note: Continuous Assessment may be done on the basis of following criteria

- 1. Interview, Seminar, Topic Presentation during these mester for 05 Markseach. [15 Marks]
- 2. One(1)Assignmentfor10Marks.

(Continuous assessment can be carried on the basis of the text-book prescribed for the syllabus-

Nawami Sau

AnIntroductiontoLifeSkills)

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Choice based Credit System (CBCS) Course structure

Faculty: Social Sciences

Subject Philosophy

**B.A First Year Syllabus** 

Semester Pattern With effect from 2019-20

Seme ster	Core Course	Paper No	Name of Paper	Lectures per Week	Total No. of Lectures	CA	ESE	Total Marks	Credits
I	CCPHI -A	1	Ethics	4	55	35	40	75	3
	-В	П	Problems of Philosophy-I or Social Philosophy or General Psychology	4	55	35	40	75	3
	Total			8	110	70	80	150	6
II	CCPHI -A	Ш	Applied Ethics	4	55	35	40	75	3
	-В	IV	Problems of Philosophy-II  or Political Philosophy or Social Psychology	4	55	35	40	75	3
	Total			8	110	70	80	150	6
				16	220	140	160	300	12

CCPHI- Core Course Of Philosophy
CA – Continuous Assessment
ESE- End of Semester Examinations

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# B.A. First Year Paper - I

	Ethics (Compulsory)		
Credits 3	Periods 55		Marks 75
Objectives:			
1. To introduce and acquain	students with Ethical theories		
<ol><li>To acquire a basic unders</li></ol>	tanding of the main Ethical ideas at	nd questions.	
3. To enhance students' abil	ity to critically reflect, analyze and	evaluate Ethical are	niments
		Periods	Mark
(1) Definition and Nature	of Ethics:	10	15
(a) Nature, scope, br	anches and uses of Philosophy.		10
(b) Ethics: its nature	and scope.		
(c) Basic moral conc	epts: Good, Right, Duty, Obligation	n	
(2) Teleological Theories:		15	20
(a) Egoistic Hedonis	m - Carvaka.	13	20
(b) Utilitarianism: Jo	eremy Bentham.		
(c) Utilitarianism: J	.S. Mill.		
(3) Deontological theories		15	20
(a) Kant's Good Wil		13	20
(b) Nature and Kinds			
(c) Doctrine of categ	orical Imperatives		
(d) Nishkama Karma	Voga.		
(4) Virtue and theories of	unishment ·	15	
(a) Meaning of Virtu	e.	15	20
(b) Concept of Virtu	e : Socrates, Plato, Gautam Buddha		
(c) Theories of punis	hment: Preventive, Retributive and	1.	
Reformative the	orv.		
(d) Capital Punishme			

# Books for reading and references:

English :-

- (1) Introduction to ethics: William Lillie.
- (2) Manual of ethics: Mackenzie.
- (3) Ethics: William Frankena.
- (4) Utilitarianism: J.S. Mill.
- (5) Principia ethica: G.E. Moore
- (6) The categorical imperative: H.J. Paton
- (7) Ethics for today: Harold Titus.
- (8) The principles of ethics: Balbirsing.
- (9) Ethics: Nowell Smith.

### Marathi:-

- (10) नीतीमीमांसा श्री.ह.दीक्षित.
- (11) नीतीमीमांसा पी.डी. चौधरी.
- (12) मूल्यनिवेदन एक अतिनीतिशास्त्रीय चिकित्सा डॉ. सुरेन्द्र गायधने.
- (13) तत्त्वज्ञान : एक चिंतन डॉ. सुरेन्द्र गायधने.
- (14) नीतिशास्त्र सुनिल साळूंके.
- (15) पाश्चात्य नीतिशास्त्राचा इतिहास प्रा.मे.पूं. रेगे.
- (16) मराठी तत्त्वृह्मान महाकोश खंड 1, 2 व 3 संपादक !

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### B.A. First Year Paper - II Social Philosophy (OR)

A		MARKET CONTRACTOR OF THE PARTY
Credits 3	Periods 55	M M.
Oreans o	rerious 55	Marks 75

### Objectives:

- 1. To introduce and acquaint students with basic problems of Social philosophy
- 2. To acquire a basic understanding of the main Social philosophical concepts...
- 3. To enhance students' ability to critically reflect, analyze and evaluate Concepts

	Periods	Marks
(1) Social Philosophy: Definition, Nature and Scope.	10	15
(2) Nature of individual and society: Relation between individual and society: Organic theory and mechanistic theory.	15	20
State and Nation - Nature and Inter relation between them.  (3) Role of institutions in human life:		
Various social Institutions: Family, Marriage and religion.	15	20
(4) Nature of Social Values: Equality, Freedom, Justice and Fraternity.	15	20

### Books for reading and references:

- (1) Outlines of Social Philosophy J.S. Mackenzie.
- (2) Outlines of Social Philosophy A.K. Sinha
- (3) Social Philosophy: Foundations of Philosophy Series Prentice Hall.
- (4). Human Society Ethics and Politics Bertrand Russell.
- (5) Principles of Social and Political theory Barker E (Oxford)
- (6) Grammar of Politics Harold Laski.
- (7) सामाजिक तत्त्वज्ञानाची मुलतत्त्वे प्रा.हेमचंद्र धर्माधिकारी.
- (8) मराठी तत्त्वज्ञान महाकोश खंड 3 सामाजिक तत्त्वज्ञान : संपादक प्रा.दे.द. वाडेकर.
- (9) पाश्चात्य तत्त्वज्ञानाचा इतिहास खंड 3
- (10) नैतिक व सामाजिक तत्त्वज्ञान प्रा.श्री.ह. दीक्षित.
- (11) सामाजिक शास्त्रातील संज्ञासिद्धांताचा स्पष्टीकरणात्मक कोश-तत्त्वज्ञान संपादक-बी.आर. जोशी, एस.व्हि. कुलकर्णी.
- (12) भारतीय समाजव्यवस्था एम.जी. कुलकर्णी.
- (13) मानवी स्वातंत्र्य प्रा.कृ.ना. वळसंगकर.

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### B.A. First Y Paper - II Applied Ethics (Co

Credits 3

Periods 55

### Objectives:

- 1. To introduce and acquaint students with applied ethical theories
- 2. To acquire a basic understanding of the main Applied ethical ideas and questions.
- 3. To enhance students' ability to critically reflect, analyze and evaluate Applied ethical arguments

	Periods	Marks
(1) Applied Ethics:	10	15
(a) Nature and scope of applied ethics.		
(b) Importance of applied ethics.		
(c) Emerging applied ethical values:		
Surrogate mother, Living in relationship		
(2) Role of morality in Education:	15	20
(a) Distinction between profession and Business.		
(b) Importance of morality in teaching profession.		
(c) Problems in educational profession.		
(d) Code of conduct for teachers and students.		
(3) Role of morality in Legal Profession :	15	20
(a) Law and morality.		
(b) Importance of morality in legal profession.		
(c) Problems in legal profession.		
(d) Code of conduct for lawyers.		
(4) Role of morality in Medical Profession:	15	20
(a) Importance of morality in Medical profession.		
(b) Moral code for medical profession.		
(c) Abuses in medical profession.		
(d) Euthanasia and Abortion		

### Books for reading and references:

- (1) Ethics for today Harold Titus.
- (2) Practical ethics Peter Singer.
- (3) Applied ethics Peter Singer.
- (4) A companion to applied ethics Ed. by R.G. Frey and Wellmen Blackwell
- (5) A companion to the Philosophy and Education Ed by Randall Current
- (6) Encyclopedia of Applied ethics Ed. by Chadwick Ruth
- (7) मराठी तत्त्वज्ञान महाकोश संपादक प्रा.दे.द. वाडेकर, खंड 1, 2 व 3.
- (8) उपयोजित नीतिशास्त्र प्रा.स्निल साळुंके.
- (9) उपयोजित नीतिशास्त्र प्रा.माधवी कवी
- (10) अनुप्रयुक्त नीतिशास्त्र : एम.पी. चौर्या

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CBCS Course structure Faculty –Humanities Subject: Philosophy B.A Third Year With effect from 2021-22

Semester	Core Course	Paper No	Name of Paper	Lectures per Week	Total No. of Lectures	CA	ESE	Total Marks	Credits
V	DSEPHI	I	Symbolic Logic-I	4	55	25	50	75	3
	DGEPHI	I	History of Indian Philosophy-I	4	55	25	50	75	3
	SEC	III	Ethics and application	3	30	25	25	50	2
	Total			11	140	95	105	200	8
VI	DSEPHI	II	Symbolic Logic-II	4	55	25	50	75	3
	DGEPHI	II	History of Indian Philosophy-II	4	55	25	50	75	3
	SEC	IV	Environmental Ethics	3	30	25	25	50	2
	Total			11	140	95	105	200	8
				20	280	190	210	400	16

DSE- Discipline Specific Elective

DGE- Discipline Generic Elective

SEC - Skill Enhancement Course

CA - Continuous Assessment

**ESE- End of Semester Examinations** 

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CBCS Paper Pattern Subject: Philosophy B.A Third Year With effect from 2021-22

### Semister - V

Paper No.	Title of the paper	Continuous Assessment(CA)	End Semester Exam (ESE)	Total (CA+ESE)
DSEPHI -I	Symbolic Logic-I	25	50	75
DGEPHI-I	History of Indian Philosophy-I	25	50	75
SEC-III	Ethics and application	25	25	50

#### Semister - VI

Paper No.	Title of the paper	Continuous Assessment(CA)	End Semester Exam (ESE)	Total (CA+ESE)
DSEPHI -II	Symbolic Logic-II	25	50	75
DGEPHI-II	History of Indian Philosophy-II	25	50	75
SEC-IV	Environmental Ethics	25	25	50

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Philosophy B.A.Third Year Semister V

### SKILL ENHANCEMENT COURSE- III

Ethics and application

Credits 2 Periods 30 Marks 50

Course Objectives:

1. To familiarize the students with basic concepts of applied ethics.

2. To familiarize the students with bad consequences of these problems on society.

3. Try to guide students how to solve these problems.

to garde stadents now to solve these providents.	Periods	Marks
1) Ethics	06	10
a) Definition and Nature of ethics		
b) Branches of ethics		
2) Genetic Ethics	12	20
a) Cloning and Embryo test		
b) Organ transplantation		
c) Surrogacy		
3) End of human life and Morality	12	20
a)Suicide		
b)Capital Punishment		
c) Death permission, Mercy killing		

### Books for Reading and Reference:

- (1) Ethics for today Harold Titus.
- (2) Practical ethics Peter Singer.
- (3) Applied ethics Peter Singer.
- (4) A companion to applied ethics Ed by R.G. Frey and Wellmen Blackwell.
- (5) A companion to the Philosophy and Education Ed by Randall Current Blackwell Publishing USA.
- (6) Encyclopedia of Applied ethics Ed by Chadwick Ruth Academic Press, California.
- (7) Arguing in applied ethics Lamb David.
- ८. मराठी तत्त्वज्ञान महाकोश- (संप.) दे. द . वाडेकर , खंड १,२,३
- ९. नीतिशास्त्र सुनील साळुंके
- १०.अनुप्रयुक्त नीतिशास्त्र एम. पी. चौरासिया.
- ११. उपयोजित नीतिशास्त्र सुनील साळुंके
- १२. उपयोजित नीतिशास्त्र माधवी कवी

**Note:** It is obligatory to conduct 30 periods in one semester for Skill Enhancement Course. Per week two periods- Two for theory and one for practical.

### Internal Practical (25 Marks ):

- 1. Write an assignment -10 marks
- 2. Concern teacher should take test of total 5 marks.
- 3. Concern teacher should take a practical 10 marks.

### External Practical (25 Marks):

External practical should be conducted by University at the end of semester.

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#### Philosophy

# B.A.Third Year (Semester VI ) SKILL ENHANCEMENT COURSE- IV

#### **Environmental Ethics**

Credits 2 Periods 30 Marks 50

Course Objectives:

- 1. To familiarize the students with basic concepts of applied ethics.
- 2. To familiarize the students with bad consequences of these problems on society.
- 3. Try to guide students how to solve these problems.

	Periods	Marks
1) Various environmental problems	08	14
2) Solution to solve environmental problems	08	14
3) Animal Cruelty and Animal rights	08	14
4) Problem of E-Wastage and solution	06	08

### Books for Reading and Reference:

- (1) Ethics for today Harold Titus.
- (2) Practical ethics Peter Singer.
- (3) Applied ethics Peter Singer.
- (4) A companion to applied ethics Ed by R.G. Frey and Wellmen Blackwell
- (5) A companion to the Philosophy and Education Ed by Randall Current
- (6) Encyclopedia of Applied ethics Ed by Chadwick Ruth
- (7) Arguing in applied ethics Lamb David.
- ८. मराठी तत्त्वज्ञान महाकोश- (संप.) दे. द . वाडेकर , खंड १,२,३
- ९. नीतिशास्त्र स्नील साळुंके
- १०.अनुप्रयुक्त नीतिशास्त्र एम. पी. चौरासिया.
- ११. उपयोजित नीतिशास्त्र सुनील साळुंके
- १२. उपयोजित नीतिशास्त्र माधवी कवी

Note: It is obligatory to conduct 30 periods in one semester for Skill Enhancement Course. Per week three periods- Two for theory and one for practical.

### Internal Practical (25 Marks):

- 1. Write an assignment -10 marks
- 2. Concern teacher should take test of total 5 marks.
- 3. Concern teacher should take a practical 10 marks.

### External Practical (25 Marks):

External practical should be conducted by University at the end of semester.

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# Swami Ramanand Teerth Marathwada University, Nanded. Choice based Credit System (CBCS) Course structure

Faculty: Social Sciences

Subject Philosophy

B.A Second Year Syllabus

Semister Pattern With effect from 2017-18

Semister	Core Course	Paper No	Name of Paper	Lectures per Week	Total No. of Lectures	CA	ESE	Total Marks	Credits
m	CCPHI-	V	Inductive Logic	4	55	35	40	75	3
	В	VI	Greek Philosophy or Modern Indian Thaughts	4	55	35	40	75	3
	SEC	I	Yoga and Human Life	3	45	25	25	50	2
	Total			11	155	95	105	200	8
IV	CCPHI-	VII	Research Methodology	4	55	35	40	75	3
	В	VIII	Modern Western Philosophy or Indian Ethics	4	55	35	40	75	3
	SEC	П	Yoga and Human Life	3	45	25	25	50	2
	Total			11	155	95	105	200	8
				22	310	190	210	400	16

CCPHI- Core Course Of Philosophy

SEC - Skill Enhancement Course

CA - Continuous Assesment

ESE- End of Semister Examinations

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Credits 2

### Philosophy

### B.A.Second Year

Semister III

# SKILL ENHANCEMENT COURSE

### Unit I - Yoga and Human Life

Periods 45

Course Objectives:		
1. To familiriaze the students with the concept of yoga as Indin way of	of life	
2. To understand the various types of Yoga and its application to real	life	
3. To understand the stress management and Yoga as a tool of stress	management.	
UNIT- I	Perioods	Marks
Chapter-I. The Concept of Yoga	15	10
Definition and Essence of Yoga		
Importance of Yoga		
Chapter-II. Yoga according to Bhagvad Gita	15	20
Jnana Yoga, Bhakti Yoga and Karma Yoga		20
Chapter-III. Health and Yoga	15	20
Mental stress and Yoga		20
Pranayama-Types of Pranayama		

### Recommended Readings:

- 1. भारतीय तत्त्वज्ञान श्री.ह. दिक्षीत
- 2. भारतीय तत्त्वज्ञानाचा इतिहास पी.डी.चौधरी
- 3. भारतीय दर्शन की रूपरेखा हरेंद्रप्रसाद सिन्हा
- 4. भारतीय दर्शन चंद्रधर शर्मा
- 5. भारतीय दर्शन डॉ. शोभा निगम
- 6. सामाजिक ताण तणाव आणि योग संस्कार भागवत दळवी
- 7.Indian Philosophy and History Vol II S.P. Dubey
- 8 New perspectives in self management: Yoga stress management- Dr.H.R.Nagendra
- 9Yoga and stress management:The art of Gracious living import Yatendra Pal
- 10. Yoga for Stress relief- Bharat Thakur
- 11. Yoga for Stress management- Sri Venkatkrishnan

**Note:** It is oblogatory to conduct 45 periods in one semister for Skill Enhancement Course. Per week three periods- one for theory and two for practicles.

### Internal Practical (25 Marks ):

- 1. Write an assignment -10 marks
- 2. Concern teacher should take test of total 5 marks.
- Concern teacher should take a practical on Pranayama- 10 marks.

### External Practical (25 Marks):

External practical should be conducted by University at the end of semister.

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Marks 50



### (OR)

### Swami Ramananand Teerth Marathwada University, Nanded.

Philosophy

### B.A.Second Year

Semister IV

### Paper VIII - Indian Ethics

Credits 3	Mai	rks 75	
Course Objectives	s:		
1. To familiriaze th	ne students with nature of basic concepts in Indian ethics.		
2. To understand it	s application to the real life.		
3. To understand h	ow to analyse philosophical concepts		
		Perioods	Marks
Chapter I : Basic	Concepts in Indian moral Philosophy	15	20
	Characteristics of Indian moral philosophy.		20
	Nature and types of purusharthas.		
	Concept of Dharma.		
	Concept of Moksha.		
Chapter II: Carva	aka on marality	15	20
	Carvaka's ethical Hedonism.		
2)	Acceptance of two purusharthas: Karma and Artha.		
3)	Rejection of Dharma.		
4)	Rejection of Moksha.		
	a's Moral Philosophy	15	20
1)	Code of Conduct: Anuvratas and Mahavratas		
	Concept of Ahimsa.		
	Aparigraha as basic ethical value.		
4)	Nature and significance of Triratna		
	uddha's Moral Philosophy	10	15
	Four Noble Truths		
	Panchasheelas		
3)	Nirvana		

- 2) The ethics of the Hindus S.K.Mitra
- 3) Development of moral Philosophy in India Surama Dasgupta
- 4) The Indian conception Of Values M. Hiriyanna
- 5) Ethics W. Frankena
- 6) An introduction to ethics W.Lillie
- 7) Introduction to ethics J.D.Mabbot
- 8) Theories of Ethics Philippa Foot (Ed.)
- 9) Virtue Ethics Roslind Hursthorne
- 10) भारतीय नीतिशास्त्र : प्रा.माधवी कवि
- 11) नीतिशास्त्र : प्रा.सुनिल साळुंके
- 12) तत्त्वज्ञान : एक चिंतन : डॉ.सुरेंद्र गायधने
- 13) नीतिमीमांसा : पी.डी.चौधरी
- 14) नीतिमीमांसा : श्री ह.दिक्षित

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Choice Based Credit System (CBCS) Course Structure Faculty of Humanities B.A. Third Year Syllabus Semester pattern with effect from June-2021

### SUBJECT: POLITICAL SCIENCE

Semester	Core Course	Paper No.	Name of Paper	Lectures Per Week	Total No. of Lectures	CA	ESE	Total Marks	-
SEM-V	DSE- POL SCI	IX	Indian Political Thought OR India's Foreign Policy	4	55	25	50	75	
	GE-POL SCI	x	Western Political Thinker	4	55	25	50	75	
	SEC	ш	Indian Parliamentary Procedure	3	45	25	25	50	
	Total			11	155	75	125	200	T
SEM-VI	DSE- POL SCI	XI	Political Ideology Or Political Sociology	4	55	25	50	75	
	GE-POL SCI	XII	Modern Political Analysis	4	55	25	50	75	
	SEC	IV	Indian Democracy & Good Governance	3	45	25	25	50	
	Total			11	155	75	125	200	1
	GRAND TOTAL			22	310	150	250	400	

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POLITICAL SCIENCE Effective from June -2021 Class: B.A. THIRD YEAR

(CBCS Pattern) Semester -V

Paper Title: INDIA'SFOREIGN POLICY

Paper-IX

(Discipline Specific Elective Course) DSE-POL. SCI.

Credit: 03

Periods: 55

Marks: 75

### Course Rational

This paper deals with foundations, phases and India's Relations with major countries as well as neighbours around her. It seeks to search and ascertain the he major issues and debates in the field of Indian foreign policy and probe India's complex relationship, both bilateral and multilateral with other countries.

### **Utility of Course**

This Course will encourage the student to undertake an n depth analysis of India's foreign policy.

#### **Learning Objective**

The main objective of this paper is to familiar students with change and continuity, major issues and debates in India's foreign policy.

#### Course content

- 1) Foreign Policy
  - 1.1 Meaning, Definition and Nature
  - 1.2 Objectives and Principles
  - 1.3 Determinants of India's foreign Policy
- 2) Phases of India's Foreign Policy
  - 2.1 Pre-independence era
  - 2.2 Post-independence
  - 2.3 And after 1990
- 3) India's Relations with Major Countries
  - 3.1 India and U.S. A.
  - 3.2 India and United Kingdom

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POLITICAL SCIENCE Effective from June - 2021 Class: B.A. THIRD YEAR (CBCS Pattern) Semester -VI

OR

Paper Title: POLITICAL SOCIOLOGY

Paper XI

(Discipline Specific Elective Course)
DSE-POL. SCI.

Credit: 03

Periods: 55

Marks: 75

### Course Rationale

This paper deals with concepts and dimensions in political sociology. It highlights various aspects of political culture, process of political socialization and political modernization, comparatively.

### Utility of the Corse

This course will helpful learners to understand dynamics within political action, power and process in India and across the country.

### **Learning Objective**

The main purpose of this course is to acquaint the students with interdisciplinary approach by connecting two separate disciplines.

### Course Content

### 1) Political Sociology

- 1.1 Meaning and Definition,
- 1.2 Nature.
- 1.3 Scope,
- 1.4 Significance.

### 2) Political Culture

- 2.1 Meaning and Definition
- 2.2 Nature,
- 2.3 Determinants.
- 2.4 Classification
- 2.5 Significance.

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POLITICAL SCIENCE Effective from June 2021 B. A. THIRD YEAR (CBCS Pattern) Semester - VI

# SEC - IV - INDIAN DEMOCRACY & GOOD GOVERNANCE

Credit: 02

Periods: 45

Marks: 50

### Course Rationale:

This Paper Provide the Conceptual Framework of the Democracy and Good Governance. It delves deep into meaning, origin, forms of Democracy and Good Governance in General.

### **Utility of the Course:**

This Course will helpful and encourage students to Acknowledge Democratic Process in India.

### **Learning Objectives:**

An intention of this paper is to understand origin, development and challenges before Good Governance in India.

### **Course Content**

### 1. Democracy

- 1.1 Meaning & Definition
- 1.2 Characteristics of Democracy
- 1.3 Types of Democracy
- 1.4 Merits and Demerits
- 1.5 Obstacles in the way of Democracy

### 2. Good Governance

- 2.1 Meaning and Definitions
- 2.2 Silent Features of Good Governance
- 2.3 Elements of Good Governance
- 2.4 Obstacles in the way of Good Governance

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# स्वामी रामानंद तीर्थ मराठवाडा विश्वविद्यालय, नांदेड स्नातक प्रथम वर्ष पाठ्यक्रम तथा कार्यभार वितरण

विषय: हिंदी (बी.ए.,बी.कॉम.,बी.एससी.एवं अन्य स्नातक प्रथम वर्ष के लिए)

श्रेयांक पध्दति (CBCS Pattern) पाठ्यक्रम

हिंदी ऐच्छिक और द्वितीय भाषा (Second Language)

शैक्षणिक वर्ष : २०१९-२० (जून २०१९ से आरंभ)

सत्र (Semester)	प्रश्नपत्र क (Paper No.)	प्रश्नपत्र का नाम (Name of the Paper)	सप्ताह की तासिका (Periods of Week)	पूर्ण तासिकाएँ (Total Periods)	निरंतर मूल्यांकन (CA)	सत्रांत परीक्षा (ESE)	कुल अंक (Total Marks)	श्रेयांक (Credits)
	1	कथा साहित्य	04	55	35	40	75	03
प्रथम सत्र ।	11	नाटक तथा एकांकी	04	55	35	40	75	03
	S.L.I	साहित्य भारती (SL)	04	55	35	40	75	03
		Total = 1	12	165	105	120	225	09
	III	कथा साहित्य	04	55	35	40	75	03
द्वितीय सत्र ॥	IV	नाटक तथा एकांकी	04	55	35	40	75	03
	S.L.II	साहित्य भारती (S.L.)	04	55	35	40	75	03
		Total = []	12	165	105	120	225	09
		Total = I+II	24	330	210	240	450	18

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### कथा साहित्य

### उद्देश्य:

- १) हिंदी साहित्य की कहानी और उपन्यास विधा से छात्रों को परिचित कराना।
- २) कथा साहित्य की लेखन शैली से परिचित कराना।
- कथा साहित्य के माध्यम से छात्रों की चिंतन तथा लेखन कौशल की क्षमता को विकसित करना।
- ४) विविध पात्रों की मानसिकता एवं क्रिया कलापों से छात्रों में सही और गलत को परखने की क्षमता विकसित करना।
- ५) कथा साहित्य के माध्यम से छात्रों को विविध समस्याओं से अवगत कर उन समस्याओं के समाधान के लिए उन्हें प्रेरित करना।

### महत्व:

मनुष्य के जीवन में कथाओं की परंपरा का महत्वपूर्ण स्थान रहा है। आज हिंदी कथा साहित्य में कहानी और उपन्यास विधा मनुष्य की बौध्दिक तथा मानिसक क्षमता को परिष्कृत कर उन्हें समाज एवं राष्ट्रहित की ओर प्रेरित करने में महत्वपूर्ण भूमिका निभा रही है। युवा शक्ती को राष्ट्र विकास के लिए महत्वपूर्ण माना जाता है। अतः कहानी और उपन्यास के अध्ययन से एक ओर छात्रों को रचनाकारों की लेखन शैली का ज्ञान होता है तो दूसरी ओर कथा साहित्य में वर्णित विविध समस्याओं की जानकारी मिलती है और उन समस्याओं के समाधान के लिए एक निश्चित दिशा मिलती है। कथा साहित्य छात्रों को नैतिक मूल्यों की रक्षा कर उन्हें प्रचारित करने के लिए प्रेरित करता है। इतना ही नही तो उनमें उचित अनुचित को परखने की क्षमता निर्माण करता है।

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### साहित्य भारती S.L.

### उद्देश:

- १) द्वितीय भाषा के रूप में छात्रों को हिंदी भाषा और साहित्य का सामान्य परिचय देना।
- २) कालानुरूप कहानी और काव्य में आये परिवर्तन को समझना।
- ३) कहानी और काव्य के माध्यम से छात्रों को परिष्कृत करना।
- ४) छात्रों को हिंदी के व्यव्हारिक ज्ञान से अवगत कराना।
- ५) हिंदी भाषा के प्रति छात्रों में रूचि उत्पन्न करना।
- ६) रचनाओं में व्यक्त समस्याओं के समाधान के लिए छात्रों को प्रेरित कर नैतिक मूल्यों को स्थापित करना।

### महत्व:

साहित्य जीवन का पथदर्शक है। वह मनुष्य के जीवन में सकारात्मक और रचनात्मक परिवर्तन लाने की क्षमता रखता है। इस दृष्टि से सामान्य हिंदी का अध्ययन कर विविध संकायों में पढ रहे छात्रों में हिंदी भाषा एवं साहित्य के प्रति रूचि उत्पन्न होती है। उन्हें व्यव्हारिक हिंदी का ज्ञान प्राप्त होता है। इतना ही नहीं तो हिंदी कहानियाँ और कविताएँ उनके मन मस्तिष्क को परिष्कृत करने में साह्यता करती है। वे पठित रचनाओं के माध्यम से विविध समस्याओं से परिचित हो जाते है। और उन समस्याओं के समाधान के लिए प्रयासरत रहते है।

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### Choice based Crean System (CDCB) Course Structure (New Scheme)

# Faculty of Humanities

# B. A. First Year Semester Pattern-2019-20

Sociology
Semester- I & II<sup>nd</sup>

Semester	Core Course	Paper No.	Name of Paper	Lectures/ Week	Total no. of Lectures	CA	ESE	Total Marks	Credits
Semester I	CCSOC-	I	Introduction to Sociology	4	55	35	40	75	3
	CCSOC-	11	New Changes in Social Institutions (or) Agrarian Society: Structure and Change	4	55	35	40	75	3
			TOTAL- I	8	110	70	80	150	6
	CCSOC-	Ш	Basic concept in Sociology	4	55	35	40	75	3
Semester II	CCSOC-	CCSOC- IV	Contemporary Social Institutions (OR) Indian Rural Sociology	4	55	35	40	75	3
			TOTAL- II	8	110	70	80	150	6
			TOTAL- I/II	16	220	140	160	300	12

Note:

(2) Assessment Shall consist of continuous Assessment (CA) and End of Semester Examination (ESE)

(2) Weight age - % for ESE & % for CA

@ Each Paper is of 3 Credits

② Paper - (Elective) Transfer of Credit as per Student choice.

② 20 Marks for Test (10+10=20)

10 Marks for home assignment.

5 Marks for Seminar

Total = 35 Marks

CA: 35 Marks

(Two Test 10 Marks + One Home Assignment 10 Marks + Seminar 05 Marks)

ESE: 40 Marks

(University Theory Exam for 40 Marks for descriptive question

Two Long answer type question 15 Marks (Each Question 15+15 = Total=30)

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#### B. A. First Year Semester Pattern-2019-20 (CBCS) Sociology Semester- I<sup>st</sup> Paper- I

#### Introduction to Sociology

Credits: 03

Periods: 55

Marks: 75

#### Objectives:

The objective of the course is developing awareness among a good number student who in turn may able to address to problems arising in and out of society. This paper is introductory paper. The student learn basic concept of sociology and acquire scientific knowledge.

#### **Course Content:**

The course is designed to develop awareness of the relationship between individual beliefs: attitudes and behaviors and the wider society and culture.

#### Learning Outcome:

Student will be able to demonstrate on understanding of how social call affects individual life. To understand society in context of the sociology theory: knowledge concepts.

#### Chapter- 1: Introduction to Sociology:

- a) Origin and Development of Sociology.
- b) Definition and subject matter of sociology
- c) Development of Indian Sociology.

#### Chapter- 2: Basic Concepts:

- a) Society: Meaning and Characteristics.
- b) Social Structure: Meaning and Elements
- c) Social System: Meaning and Functional Problems.

#### Chapter- 3: Social Groups:

- a) Primary Group: Meaning and Characteristics.
- b) Secondary Group: Meaning and Characteristics.
- c) Importance of Social Groups.

#### Chapter- 4: Social Change:

- a) Meaning and Nature of Social Change.
- b) Factors of Social Change
- c) Obstacles in Social Change.

#### Chapter- 5: Social Development:

- a) Meaning and Nature of Social Development.
- b) Aims of Socjal Development.
- c) Concept in sustainable resempment.

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## B. A. First Year Semester Pattern-2019-20 (CBCS) Sociology Semester- Ist Paper- II

#### New Changes in Social Institutions

Credits: 03

Periods: 55

Marks: 75

#### **Objectives:**

The main aim of human societies is to maintain control and order. The social structure which organized and orders: creates social solidarity and stability in society. Institution: specially are assigned this function of social order and control.

#### Contents:

Social Institutions are system of behavioral and relationship patterns that are density inter women and enduring: and function across an entire society. They order and structure the behavior of individuals by means of their normative character.

#### Learning Outcome:

Students will obtain a sociological understanding of diverse: social groups: organization and social institutions. Social institutions are usually conceived of as the basic focuses of social organization: common to all societies.

#### Chapter- 1: Introduction to Social Institutions:

- a) Meaning and characteristics of social Institutions.
- b) Importance of social Institutions.
- c) Concept of Institutionalization.

#### Chapter- 2: Marriage Institution:

- a) Meaning and characteristics of Marriage Institution.
- b) Recent Changes in Marriage Institution (Contract Marriage/ Inter caste Marriage)
- c) Issues in Marriage Institution: Live in Relationship:Problems of selection of mate.

#### Chapter- 3: Family Institutions:

- Meaning and characteristics of Family Institution.
- b) Recent Changes in Family Institution [(1) Women Empowerment (2) Women Dominancy
- c) Issues in Family Institutions: Domestic Violence: Old-Age Problems.

#### Chapter- 4: Education Institution:

- a) Meaning and Aims of Education.
- b) Types of Education: (1) Formal and (2) Informal
- c) Recent issues in Education Institution: Privatization: Problems in Higher Education.

#### Chapter- 5: Religion Institution:

a) Meaning and Nature of Religion;

Recent Changes in Religion Institution (Secularism: National Integration)

c) Issues in Religion Institution: Communalism: Castism/ Sectism: Westernization

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(OR)
B. A. First Year Semester Pattern-2019-20
(CBCS)
Sociology

Semester- Ist Paper- II Agrarian Society: Structure and Change

Credits: 03

Periods: 55

Marks: 75

#### Objectives:

The objective of an agricultural society are to encourage an awareness of agriculture and promote improvements in the quality of life of persons living an agricultural community by Researching the needs of agricultural community and developing programs to meet those needs.

#### Contents:

In an Agrarian Society: cultivating the lands is the primary source of wealth. Such a society may acknowledge other means of live hood and work habits but stresses the importance of agriculture and farming. They have been the most common form of socio-economic organization for most of recorded human society.

#### Learning Outcome:

Thus Agrarian Societies are characterized by their dependence on outside energy flows: low energy: density: and the limited possibilities of converting one every form into another. In order to increase production an agrarian society must either increase the intensity of production.

#### Chapter- 1: Introduction:

- a) Concept of Agrarian Society
- b) Characteristics of Agrarian Society.
- c) Importance of Study of Agrarian Society.

#### Chapter- 2: Land Reform and Agrarian Society:

- a) Aims of Land Reform.
- b) Laws related to Land Reform.
- c) Impact of Land Reform on Agrarian Society.

#### Chapter- 3: Agrarian Society and Economy:

- a) Meaning and characteristics of Agrarian Economy.
- b) Current issues in Agrarian Economy.
- c) Role of Govt. schemes in Agrarian Economy.

#### Chapter- 4: Agrarian Society and Co-operative Movements:

- a) Meaning of and characteristics of Co-operative Movements.
- b) Co-operative Movements and its role in Agrarian Society.
- c) Changing nature of Co-operative Movements.

Chapter- 5: Green Revolution and Agrarian Society:

- a) Meaning of and Objectives of Green Revolutions.
- b) Benefits of Green Revolutions.
- c) Impact of Green Revolutions

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(OR)

#### B. A. First Year Semester Pattern-2019-20

(CBCS) Sociology Semester- II<sup>nd</sup> Paper- IV Indian Rural Sociology

Credits: 03

Periods: 55

Marks: 75

#### Objectives:

The course aims at equipping students with skill and knowledge in basic sociological theories to enable them to effectively work with communities in solving indentified problems for livelihood improvement. The specific objectives are to apply sociological principles in addressing rural development.

#### Content:

Rural Sociology is field of applied sociological research and training that historically focused on rural people and place. Rural sociology is the sociology of the village society. Here sociological principles are applied for studying rural society.

#### Outcome:

Importance of rural sociology in agricultural extension and interrelationship & with processes. This course explores social life along the rural community and also provides a broad introduction to be issues and perspectives in rural sociology.

#### Chapter- 1: Rural Society:

- a) Meaning and characteristics of Rural Society.
- b) Importance of Rural Society.
- c) Recent changes in Rural Society.

#### Chapter- 2: Rural Family Institution:

- a) Meaning and Characteristics of Rural Family.
- b) NuclearFamily and Joint Family: Meaning and Characteristics.
- c) Changing nature of RuralJoint Family

#### Chapter- 3: Rural Development Programmes:

- a) Meaning and Characteristics of Rural Development Programme.
- b) Swachh Bharat Abhiyan: Need of Water Management
- c) Advantages of Rural Development Programmes.

#### Chapter- 4: Rural Social Change:

- a) Meaning and Nature of Rural Social Change.
- b) Factorresponsible of Rural Social Change.
- c) Impact of urbanization on Rural Society.

#### Chapter- 5: Application of Social Knowledge:

a) Origin and development of Applied Sociology.

b) Definition and Importance of Applied Sociology.

c) Scope in Applied Sociology - Clinical: Social-engineering public

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### SWAMI RAMANAND TEERTH MARATHWADA

#### UNIVERSITY NANDED

Choice Based Credit System (CBCS) Course Structure Faculty of Social Science Subject: Sociology

B.A. Second Year Syllabus

Semester Pattern Effective From June 2017

Sem- ester	Course	Paper No	Name of Paper	Lectur- ers per Week	Total No of Lecturer	CA	ESE	Total Marks	Credi
III	CC SOCI	V	Indian Society Structure and Change	4	55	35	40	75	3
	CC SOCI	VI	Transformati ve Movement in India	4	55	35	40	75	3
	SEC	I	Rural Society and Development	3	45	25	25	50	2
	Burney.	Total		11	155	95	105	200	8
	CC	VII	Social Problems in contemporar y India	4	55	35	40	75	3
	CC SOCI	VIII	Human Rights & Society	4	55	35	40	75	3
	SEC	П	Problems of Slum	3	45	25	25	50	2
		Total		11	155	95	105	200	8
			Total	22	310	190	210	400	16

#### Note:

1) CCSOCI:

Core Course of Sociology

2) SEC

Skill Enhancement Course

3) CA

Continuous Assessment

A) ESE

End of Semester Examinations

5) Paper (Elective) Transfer of Credit as Per Student Choice.

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#### B. A. II (Year)

#### SEMESTER-III, PAPER-VI

#### Transformative Movement in India Effective From June – 2017

Credits: 03

Periods: 55

Marks: 75

#### Objectives:

India is multilingual multi ethnic and multi-cultural country. So that they are various traditions, customs, myths and rituals as well as ethics and social values too.

So, in the due course of time the aforesaid factor seems to be an absolutely out of date. Consequently this situation gives birth to radical social movements and Indian society in hermits of the unique features compared to other societies.

There for, the course primarily focuses on the types of social movements in India, and students will have an opportunity to learn philosophical background of various social movements in India.

Cha.	I - Inti	roduction	Period	Marks
	i)	Meaning and types of Social Movement	14	19
	ii)	Causes of Social Movement		
	iii)	Significance of Social Movement		
II)	Dalit	t Movement in Maharashtra	14	19
	i)	Origin and Development		
	ii)	Landless Movement: Contribution of		
		Karmaveer Dadasheb Gaikwad	#	
	iii)	Dalit Literary Movement: Nature and Impact		
Cha-	III)	Anti- Corruption Movement in Maharashtra	14	19
	i)	Introduction, Historical Background and Its Ber	efits	
/	ii)	Right to information (R.T.I.) Ad- 2005: Aims &	Effects	
/	iii)	Lokpal: Objectives and Benefits		

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#### SEMESTER - III B.A. IInd (Year)

Skill Enhancement Course – I Rural Society and Development Effective from June – 2017

Credits: 02 Periods: 45 Marks: 50

#### Course Introduction:

In human history has such a high percentage of the words population lived in villages. Rural Community life is not new in human evolution. Main aim of the course is to create awareness of rural society and Development in the students. In the present era rural development programmers improvement of the living standards and providing them opportunites for rural peoples.

#### Course Objectives:

1 To understand Rural Society

2 To Know the various Rural Development Programmes.

3 To understand issues in process of implementation of rural development programmes.

Cour	s Cor	ntents	Periods	Marks
Unit -	I	Rural Society	15	20
	1	Meaning of Rural Society		
	2	Characteristics of Rural Society		
	3	Changing nature of Rural Society.		
Unit-	п	Rural Development Programmes	15	20
	1	Women Self help Group Bachat Gut		
	2	Clean Indai Mission Swatch Bharat Mission		
	3	Mahatma Gandhi Tanta Muktti Abhiyan		
Unit -	Ш	Issue in rural development.	15	10
	1	Lake of Literacy		
	2	Rural Migration		
/	3	Lake of Effective implication		
/				

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#### B. A. II

#### SEM. IV, PAPER-VII<sup>th</sup>

#### Social Problems in Contemporary India

Effective From June - 2017

Credits: 03

Periods: 55

Marks: 75

#### Objectives:

The present course attempts to Introduce the basic social problems in contemporary India, It deals with the real fact of social inequality and its understanding by sociology. Specifically, the course will attempt 2 forward some consideration on the legal and the secular state in India.

We will explore the contemporary Social issues, causes of crime, gender discrimination in various institutional context and women's issues that have been central to it. So, this course an attempt will be made to elaborate a framework for the observation of the present problems.

			Period	Marks
1)	Intro	oduction.	14	19
	i) .	Meaning & Nature of Social Problems.		
	ii)	Causes of Social Problems.		
	iii)	Theoretical Approaches to Social Problems.		
		a) Anomic b) Social pathology c) Value	conflict	
2)	Prob	lems of Women.	14	19
		C		
	i)	Causes of Gender Discrimination		
	ii)	Female Prostitution - Effect on Indian Society		
	iii)	Sexual Harassment: Effect & Measures		
3)	Socia	al Issues.	14	19
	i)	Causes & Problems of Religious Minorities.		
	ii)	Causes & Problem of Nomadic Tribes.		
	iii)	Problems of Superstitions- Causes & Remedies.		
4)	Crin	nes.	13	18
	i)	Maning & Causes of Investig Delice		
	ii)	Meaning & Causes of Juvenile Delinquency,		
	/iii)	Cyber crime - Nature & Effects.		
,	/ 111)	Problems of Alcoholism - Causes & Measures.		

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#### B. A. II

#### SEM. IV, PAPER-VIIIth

Human Rights and Society Effective From June – 2017

Credits: 03 Periods: 55 Marks: 75

#### Objectives:

This course has been specifically framed to address the necessity and interests of the students in emerging aspects of applied knowledge in Human Rights and social issues under the surveillance of Indian constitution.

Similarly, the present course introduced the update of new areas of sociological explorations related to Government policies & schemes as well as to develop familiarity with emerging areas of Human Resource and its interface with social issues.

			Period	Marks
1)	Intro	oduction.	14	19
	i)	Meaning of Human Rights		
	ii)	Development of Human Rights		
	iii)	Necessity of Human Rights		
2)	Cons	stitution of India.	14	19
	i)	Dr, Babasaheb Ambedkar as an		
	•••	architecture of Indian Constitution		
	ii)	Fundamental Rights		
	iii)	Directive Principals and State Policy		
3)	Hum	an Rights & Society.	14	19
	i)	Rights of Women		
	ii)	Rights of Consumer		
	iii)	Rights of Youth		
4)	Hum	an Resource Development in India	13	18
	i)	Child Development-Govt. Policies.		
	ii)	Labor Welfare-Govt. Policies.		
	iii)	Tribal Development - Govt. Policies, we	elfare Schemes	

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## Swami Ramanand Teerth Marathwada University, Nanded CBCS – Paper Pattern in the subject of Sociology

#### **B.A.** Third Year

With Effect From June 2021

#### Semester - V

Paper No.	Title of the Paper	Internal Marks (CA)	End Semester Exam (ESE)	Total CA + ESE
DSE SOC-I	Classical Sociological Thinkers OR Modern Sociological Thinkers	25	50	75
DGE SOC-I	Methods of Social Research	25	50	75
SEC III	Social Counseling-01	25	25	50

#### Semester - VI

Paper No.	Title of the Paper	Internal Marks (CA)	End Semester Exam (ESE)	Total CA + ESE
DSE SOC-II	Indian Social Reformer OR Fundamental Indian Sociological Thinkers	25	50	75
DGE SOC-II	Techniques of Social Research	25	50	75
SEC IV	Social Counseling-02	25	25	50

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#### Or Paper

#### B.A. Third Year SOCIOLOGY - CBCS Pattern Syllabus Semester V<sup>th</sup>

#### DSE - A: Modern Sociological Thinkers - I

(With Effect From June 2021)

Credits: 03

Lecture: 55

Marks: 75

#### Outline:

This paper introduces the Modern Sociological thoughts of the Sociological Thinkers. There is need to orient to the students about the modern sociological thoughts of G.H. Mead, C.H. Cooley, Talcott Parson and Robert K. Merton. This course introduce major contribution and thoughts of these scholars to the students of sociology. These thoughts would help students to understand the modern society and contemporary issues problems and challenges of the society. This course also provides sociological insights and perspective on modern society. By studying their sociological concepts, theories and perspectives, students will help to understand our society. On the basis of their contribution, we applied their perspective to understand contemporary issues, problems and challenges faced by human society.

#### Objectives:

This course has major aims and objectives are to introduce modern sociological concepts, theories and sociological perspectives to the students of sociology. Onwards 1960s Modern Sociologists adopted micro-perspective to understand social action, interaction, individual, self, personality, symbols and society. Thus, this course will orient students to the contribution of modern sociological thinkers who studied contemporary social issues, problems and challenges. These modern sociologists has contributed and enriched sociological knowledge. Thus, this course has major aim to provide new knowledge and sociological insights and perspective to know the contemporary issues and challenges of modern society.

#### Utility:

This course has multiple importance. This course introduces modern sociological theories, concepts and perspectives. These thinkers gave shapes and new direction to the existing sociological knowledge. These modern sociological thinkers developed new sociological perspectives also. Thus, these modern sociologists introduce micro-perspective, alternative thoughts and focused on the individualism, liberty, personality and importance of social interaction and symbols in the individual and social life. Thus, the study of these modern thoughts would make students able to understand the contemporary issues, problems and challenges of the modern society. Thus, this course has importance to adopt new perspective and appreaches to know the social world.

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#### B.A. Third Year SOCIOLOGY - CBCS Pattern Syllabus

#### Semester Vth

#### SEC - III: Social Counseling - 1

(With Effect From June 2021)

Credits: 02

Lecture: 45

Marks: 50

#### Outline:

Counseling is the activity of counselor. Counselor counsels people. This paper focuses on some of the different factors. The success of counseling largely depends on the goals. The good counselor need on a professional basis to resolve especially personal, social or psychological problems and difficulties of the concerned. Counseling means "Listening to someone and giving that person advice about their problems or issue."

#### Objectives:

This course would be play very vital roles in the different field of counseling. To introduce social counseling in sociology has very different kinds of Significance; social counseling has many challenges and issues in front of sociologist. In the contemporary era, sociology has very vital role in field of counseling to the individuals of the society for social progress and development. This course consists of important and primary methods of counseling such as case work, group work and community work. The aim of this course is to provide tools and techniques to the students for social counseling.

#### Utility:

"How should I live my life? and what should I do next?" These are the philosophical moral question, and the social counseling is designed to address in active and constructive ways. Good counseling helps student to build skill, they can use in solving their problems. Counseling is important because it gives the opportunity and offer a positive benefits which can enhance person life.

		Lecture	1	Marks
Chapter 01	Nature of Social Counseling	15		20
	1. Social Counseling: Meaning & Def	finition		
	2. Goals of Social Counseling			
	3. Professional & Ethical Importance	of Social Counse	ling	
	4. Approaches of Social Counseling			
Chapter 02	Field Work Methods of Social Couns	seling 15		20
	1. Case Work Method: Meaning, Prin	ciples and Proces	S	
	2. Group Work Method: Meaning, Pr.			
	3. Community Work Method: Meaning			3

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#### B.A. Third Year SOCIOLOGY - CBCS Pattern Syllabus

#### Semester VIth

#### DSE - B: Indian Social Reformer - II

(With Effect From June 2021)

Credits: 03

Lecture: 55

Marks: 75

#### Outline:

Social Reformer has made contribution in social reforms. Therefore, we have to understand contribution of social reformers in the context of time and space. To understand the contribution of social reformer is sociologically significant. Social reformers played very important role in the contemporary society. They mobilize local people. Motivated them against the social ills and problems. They organize social institutions, social groups and social associations to bring out social changes in the lives of the common people. Thus, to understand contribution of social reform is sociologically important and motivate students for the course of social reforms. This paper has importance to understand the contribution of social reforms in their contemporary era which help to make student able to follow the thoughts of reformers in their life.

#### Objectives:

This course will help students to introduce the contribution of social reforms, who had done lot of work for the cause of social reforms. Knowing their contribution would motivate students for the course of social reforms. Thus, the basic objective of this course is to introduce the noble works, thoughts and contribution of these social reformers to the students. Thus, this course has aim to inculcate the philosophy and thought of Chatrapati Shivaji Maharaj, Mahatma Jyotirao Phule, Rajasrshi Shahu Maharaj and Dr. Babasaheb Ambedkar on the minds of students. This course has objective to disseminate and spread the philosophy and thoughts of these reformers in the contemporary era. Thus, the major aim and objective of this course is to motivate students and make them able to follow these thoughts in their life.

#### Utility:

This course has multiple utilities. This course will help students to introduce the philosophy, thoughts, views and works of social reformer of India. This course has aim to orient the students of sociology towards the contribution of modern social reformers of India who spent their entire life for the cause of social reforms. This course would help to enlighten the understanding the importance of the thoughts of social reformers to understand the contemporary social ills, issues, problems and challenges. Thus, this course has sociologically relevance to inculcate these ideas & thoughts of the reformers in the minds of the young students and make them thought for the cause of social reformers. The teaching and reading references thoughts and ideas of reformers contributed on building up the capacities

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#### B.A. Third Year SOCIOLOGY - CBCS Pattern Syllabus Semester VI<sup>th</sup>

#### DGE - B: Techniques of Social Research - II

(With Effect From June 2021)

Credits: 03

Lecture: 55

Marks: 75

#### Outline:

Social scientists divided into camps of support for particular research techniques. Evaluate, analyze and interpret qualitative data also identify appropriate statistical procedures to perform basic analysis of quantitative data. Sociological research is a complex process. The social sciences comprised a vast of research methods, models, measures, concepts and theories.

#### Objectives:

This course aims to provide an understanding of the nature of social phenomena. The issue involved in social research and the ways and means of understanding and studying social reality. Thus the emphasis is threefold. Firstly, on the study of research methods as a means of understanding social reality. Second, the tools and techniques are only instruments and not the end or goal of research. Thirdly, there are different perspectives and methods (as a quantitative and qualitative research) of understanding social phenomena. There are no universally accepted methods.

#### Utility:

This course has importance in the field of sociological research. Research methodology will be providing base for scientific thinking and rationalizing the minds, thoughts of students. This course has major aims to provide basic and fundamental knowledge of research methodology. This paper provides conceptual objectives, tools and techniques of research methodology. This course has also significance in providing scientific attitude and temper among the student of social sciences in general sociology in particular by doing this course, students will get job opportunities the research institutions, teaching, research field corporate and marketing field.

		Lecture	1	Marks
Chapter 01	Data Collection	11		15
	1. Meaning of Data Collection			
	2. Characteristics of Data Collection			
	3. Method of Data Collection: Primary	y & Secondary		
Chapter 02	Techniques of Data Collection	11		15
	1. Questionnaire: Meaning & Types			
	2. Interview: Meaning & Importance			
0	3. Observation: Meaning & Important	ce		

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## SWAMI RAMANAND TEERTH MARATHWADA UNIVERISTY, NANDED

#### SEMESTER PATTERN CURRICULUM UNDER

#### CHOICE BASED CREDIT SYSTEM (CBCS) FOR

Under Graduate Course Faculty of Science and Technology

SUBJECT: BOTANY

CLASS: B. Sc. FIRST YEAR An Outline:

Semester/	Cou	rse Name	Paper No. & Title	Total	Mark	s for	Credits
Annual				Periods (periods/ week)	External (ESE)	Internal (CA)	(Marks)
Semester-I	CCB-	Section-A	Theory Paper-I: Viruses, Bacteria Algae, Fungi, Lichens and Mycorrhiza	45 (03/week)	40	10	Credits: 02 (Marks:50)
		Section-B	Theory Paper-II: Plant Ecology, Phytogeography and Environmental Biology	45 (03/week)	40	10	Credits: 02 (Marks:50)
Semester-II	ССВ-	Section-A	Theory Paper-III: Bryophytes, Pteridophytes Gymnosperms and palcobotany	45 (03/week)	40	10	Credits: 02 (Marks:50)
		Section-B	Theory Paper-IV: Taxonomy of Angiosperms	45 (03/week)	40	10	Credits: 02 (Marks:50)
Annual pattern		CCBP-I	Practical Paper-V: Practicals based on theory papers of CCB-I&II	24 Prac. (03/week/ batch)	80	20	Credits: 04 (Marks:100)
			٦	Total	240	60	Credits: 12 (Marks:300)

CCB: Core Course Botany, CCBP: Core Course Botany Practical, ESE: End Semester Examination, CA: Continues Assessment,

Distribution of Credits: 80 % of the total credits for the ESE and 20% for CA

CA of 10 Marks (Theory): 05 Marks for test & 05 Marks for Assignment

CA of 20 Marks (Practicals): : 10 Marks for test &10 Marks for Record Book ,Submission of collection and field note and Excursion Report.

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#### SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

Semester pattern curriculum under Choice Based Credit System (CBCS) for

BOTANY

B.Sc. F.Y.

Semester - I

CCB-I(B)

Theory Paper -II

Plant Ecology ,Phytogeography and Environmental Biology

Periods - 45

Credits :02 Maximum Marks – 50

#### Learning Objectives:

- 1. Acquainted with basic concepts of Ecology, Ecosystem Ecological factors, community ecology and phytogeography
- 2. To provide students with skills necessary for Ecological studies

#### Learning outcomes:

- 1. Able to understand the ecological principles, interactions taking place in the Ecosystems and the flow of energy
- 2. Learn about the concept of phytogeography and its relations with other disciplines

#### Unit I: Ecological Factors (10 Lectures)

Introduction, Scope of Ecology, Ecological Factors: Climatic factors- Light, Temperature, Wind, Humidity. Edaphic factors- Soil moisture, Temperature, Soil pH, Soil formation, Composition and Soil profile.

#### **Unit II: Ecological Adaptations (11 Lectures)**

Morphological and anatomical adaptations in Hydrophytes (*Hydrilla* stem and *Nymphea* petiole), Xerophytes (*Nerium* leaf and *Casuarina* stem). General characters of Halophytes and Epiphytes.

#### Unit III: Ecosystem and Plant Communities (12 Lectures)

Ecosystem: Introduction, Structure, types (Pond ecosystem and Forest ecosystem), Tropic levels, Energy flow in acosystem, food chain, food web and ecological pyramids.

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Community ecology: Community characteristics, Frequency, Density, Life forms and ecological succession (Hydrosere), Analysis of Plant communities (quadrant method).

#### Unit IV: Phytogeography and Environmental Biology (12 Lectures)

Introduction, Bio-geographical regions of India, Bio-diversity hot spots of India
Environmental pollution: Air, Water and soil pollution (Causes, effects and control measures),
Soil erosion and soil conservation, afforestation , deforestation and Chipko movement,
Environmental education and awareness.

## Theory paper-II: - Plant Ecology, Phytogeography and Environmental Biology Unit wise distribution of periods and marks:

Unit	Title	Periods Allotted	Maximum Marks
I	Ecological Factors	10	28
II	Ecological Adaptations	11	28
III	Ecosystem and Plant Communities	12	28
IV	Phytogeography and Environmental Biology	12	28
	Total	45	112

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#### THE SALIENT FEATURES:

Biodiversity of Invertebrates & Chordates and Comparative Anatomy of Vertebrates & Developmental Biology of Vertebrates are the two papers offered to the B.Sc. I year students in I & II semesters respectively. "Biodiversity of Invertebrates & Chordates" attempts to dwell into the study of extant groups of invertebrate and vertebrate animals. A good understanding of the relationship, environmental and evolutionary, is the core of the first paper. Added to it is also an aspect on the developmental aspects of different species of animals. The paper on "Comparative Anatomy of Vertebrates & Developmental Biology of Vertebrates" is the second paper that deals with the different forms of animal anatomy and different developmental processes. An understanding of animal structure is important to experimentation, farming or management of animals.

#### UTILITY OF THE COURSE:

Study of the fields of Biodiversity of Invertebrates & Chordates and Comparative Anatomy of Vertebrates & Developmental Biology of Vertebrates equips students to pursue further study in a wick variety of subjects. It also prepares the students for future research in any of the related fields. Such broad coverage of topics in the first year of the course also helps in widening their perspective obiological sciences. The course contents offered are related to Animal Morphology, Taxonomy, Anatom and Development. These courses would induce understanding of the subject so that the student could later take up specialized post-graduate courses and also pursue research in the relevant field. The studen could also explore possibilities in developing themselves in such specialized fields to fit in the competitive environment.

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# Swami Ramanand Teerth Marathwada University, Nanded Choice Based Credit System (CBCS) Course Structure Faculty of Science & Technology

B. Sc. First Year (Semester I & Semester II) Syllabus w.e.f. June, 2019 Semester Pattern; Subject: Zoology

Semester Semester	Course Number		Name of the Course/ Paper	Instruction Ure/Wool	Total Dariode/	Marks for	_	Total	Credits
				Willy Meet	Practicals	Internal (CA)	External (ESE)	Marks	
B.Sc. F.Y. Semester I	CCZ-I Biodiversity of Invertebrates and	Section -A	PAPER I: Biodiversity of Invertebrates	03	45	10	40	50	Credit:02
	Chordates	Section-B	PAPER II: Biodiversity of Chordates	03	45	10	40	50	Credit:02
B.Sc. F.Y. Semester II	CCZ-II Comparative Section -A	Section -A	PAPER III: Comparative Anatomy of Vertebrates	03	45	10	40	90	Credit 02
	Developmental Biology of Vertebrates	Section-B	PAPER IV: Developmental Biology of 03 Vertebrates	0.3	45	10	40	80	Credii 02
B.Sc. F.Y. Semester I & II	CCZP-1	Section -A & Section - B	Practical Paper- V; Biodiversity of Invertebrates and Chordates & Comparative Anatomy and Developmental Biology of Vertebrates (Practical based on P-11 III & IV)		30	2	08	001	
				Total Credit for Semester I & II	ster L& II	09	2-40	300	Credit:12

CCZ: Core Course Zoology, CCZP: Core Course Zoology Practical, CA: Continuous Assessment;

ESE: End of Semester Examination,

Practical Paper CCZP-I for both semesters I & II respectively will be at the end of Academic Year in Annual Pattern. Practical Internal Evaluation (Continuous Assessment CA)= 20 Marks

Submission of Record book, Excursion Report & slides =10 Marks; Internal Test on Practical=10 Marks

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## Swami Ramanand Teerth Marathwada University, Nanded Choice Based Credit System (CBCS) Course Structure Faculty of Science& Technology

B. Sc. Second Year (Semester III& Semester IV) Syllabus w.e.f. June, 2020 Semester Pattern; Subject: Zoology

Class/	Course Number		Name of the Course/ Paper Instructi	Instruction	Total	Marke for	1	Total	Cardin
Semester				Hrs/Week	Periods/	Periods/ Internal	External	Marks	Credits
B.Sc. S.Y.		Section A	PAPER VI: Physiology	03	45		40	50	Credit-02
Semester	and Biochemistry	Section-B	PAPER VII: Biochemistry	03	45	10	40	50	Credit:02
	CCZP-II	[CCZ III (Section A & Section B)	Practical Paper- X: Physiology and Biochemistry (Practical based on P-VI & VII)	03	30	10	40	50	Credit:02
	SECZ-I		SEC-I Any one Skill to be chosen out of Two SECZ –I (A): Haematology SECZ –I (B): Urinology	03	45	25	25	50	Credit:02
B.Sc. S.Y.	The same of	SectionA	PAPER VIII: Cell Biology and Genetics	03	45	10	40	50	Credit:02
	Biology, Genetics and Evolutionary Biology	Section-B	PAPER IX: Evolutionary Biology	03	45	10	40	50	Credit.02
	CCZP-II	[CCZ IV (Section A & Section B)	Practical Paper- XI: Cell Biology, Genetics and Evolutionary Biology (Practical based on P-VIII & 1X)	03	98	9	9	80	Credit 02
	SECZ-II		SEC-II Any one Skill to be chosen out of Two 03 SECZ —II (C): Histotechnology SECZ —II (D): Apiculture	03	\$	\$	25	90	Credit 02

CCZ: Core Course Zoology, CCZP: Core Course Zoology Practical, CA: Continuous Assessment;

Creditife

100

290

Total Credit for Semester III & IV 110

ESE: End of Semester Examination, SECZ: Skill Enhancement Course Zoology

ESE-25: Report Submission-10; Overall Skill Judgment-10 and Presentation-05 CA-25: Seminar-15 & Test-10

ESE for SECs-1 & SECZ-II and Practical Papers CCZP-II & CCZP-III for both semesters III & IV respectively will be at the end of Academic Year in Annual Pattern.

Practical Internal Evaluation (Continuous Assessment CA)= 10 Marks

Submission of Record book & Excursion Report =05 Marks; Internal Test on Practicals=05 Marks

X

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R. Kabra S K.K.M.C.M. MANWATH Mentri co Outcome of the Course:

1. The student will be able to identify a given invertebrate upto class level.

2. Ability to understand the contribution of Invertebrates in the biodiversity index of any given habitat.

3. Ability to understand and appreciate the ecological and economic importance of invertebrates and vertebrates.

4. Ability to identify and describe external morphology and internal anatomical features of representative invertebrate species.

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Swami Ramanand Teerth Marathwada University, Nanded Choice Based Credit System (CBCS) Course Structure Faculty of Science& Technology

B. Sc. Second Year (Semester III& Semester IV) Syllabus w.e.f. June, 2020

Semester Pattern; Subject: Zoology

Class/	Course Number		Name of the Course/ Paner	Inchesoting	Tratal	3.4. 1 5			
Comactor			traine of the Course Lapel	Instruction	loral	Marks for	0r	lotal	Credits
mester				Hrs/Week	Periods/ Practicals	Interna 	External (ESE)	Marks	
B.Sc. S.Y.	CCZ-III Physiology	Section -A	PAPER VI: Physiology	03	45	10	40	50	Credit:02
Semester	and Biochemistry	Section-B	PAPER VII: Biochemistry	03	45	10	40	50	Credit:02
	CCZP-II	[CCZ III (Section A & Section B)	Practical Paper- X: Physiology and Biochemistry (Practical based on P-VI & VII)	03	30	01	40	50	Credit:02
	SECZ-I		SEC-I Any one Skill to be chosen out of Two SECZ –I (A): Haematology SECZ –I (B): Urinology	03	45	25	25	50	Credit:02
B.Sc. S.Y.	CCZ-IV Cell	SectionA	PAPER VIII: Cell Biology and Genetics	03	45	10	40	50	Credit:02
IV IV	Biology, Genetics, Evolutionary Biology and Genetic Engineering	Section-B	PAPER IX: Evolutionary Biology & Genetic Engineering	03	45	2	40	20	Credit:02
	CCZP-II	[CCZ IV (Section A & Section B)	Practical Paper- XI: Cell Biology, Genetics, Evolutionary Biology and Genetic Engineering (Practical based on P-	6	30	9	40	05	Credit 02
	SECZ-II		SEC-II Any one Skill to be chosen out of Two SECZ –II (C): Histotechnology SECZ –II (D): Apiculture	03	45	25	25	20	Credit:02
				Total Credit for Semester III & IV		011	290	400	Credit:16

CCZ: Core Course Zoology, CCZP: Core Course Zoology Practical, CA: Continuous Assessment;

ESE: End of Semester Examination, SECZ: Skill Enhancement Course Zoology

ESE-25: Report Submission-10; Overall Skill Judgment-10 and Presentation-05 CA-25: Seminar-15 & Test-10

ESE for SECZ-1 & SECZ-II and Practical Papers CCZP-II & CCZP-III for both semesters III & IV respectively will be at the end of Academic Year in Annual Pattern. Practical Internal Evaluation (Continuous Assessment CA)= 10 Marks

Submission of Record book of Britisian Report =05 Marks; Internal Test on Practicals=05 Marks

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R. Kabr MANWATH Mantri Col

- Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidy and Polyploidy.
- ii) Gene mutations: Induced versus Spontaneous mutations, Back versus Suppressor mutations.

UNIT-IV

12

- 1. Sex determination
  - i) Chromosomal methods of sex determination.
  - ii) Bridge's ratio theory of genic balance.
- 2. Sex linked inheritance
  - i) Sex linked inheritance in Drosophila.
  - ii) Sex linked inheritance in man colourblindness, haemophilia, Hypertrichosis
- 3. Cytoplasmic Inheritance- Mitochondrial inheritance (in human being)
- 4. Human Genetics
  - i) Syndromes Turner, Klinefelter, Down, Cat-Cry, Patau syndrome
  - ii) Inborn errors of metabolism Phenylketonuria (PKU). Alkaptonuria, Albinism.
  - iii) Human pedigree analysis with symbols.

#### Outcome of the Course:

On successful completion of the course, the students will be able to

- 1. Understand the structure and function of the cell as the fundamentals for understanding the functioning of all living organisms.
- 2. Understand structures and various cellular functions associated with the macromolecules found in cells.
- 3. Acquire knowledge of Mendelian Genetics and its Extension.
- 4. Graduates will be able to explain and interpret various processes, phenomena, states and evolutionary tendencies at a biological system level.

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#### SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

#### Choice Based Credit System (CBCS) Course Structure

Faculty of Science& Technology

B. Sc. Second Year Syllabus w.e.f. June, 2020

Zoology

Semester- IV

Paper: CCZ- IV: Cell Biology, Genetics, Evolutionary Biology and Genetic Engineering

Section- B

Title of Paper: Paper- IX: Evolutionary Biology and Genetic Engineering

Periods: 45 Credits: 02 (Marks: 50)

#### Objectives:

1. To know the history and concept of evolution.

2. To understand the mechanisms and factors involving in evolution process

- To acquire increased theoretical and practical knowledge of various processes of Molecular Genetics
- 4. To study the techniques for obtaining genetically modified organisms

#### UNIT-I

12

1. Introduction to theories of Evolution:

Lamarckism, Darwinism, Neo-Darwinism. Hugo De Vries theory.

2. Evidences of organic Evolution:

- i) Morphological and Anatomical evidences: Homologous, analogous and vestigial structures and their evolution.
- ii) Physiological and Biochemical evidences: examples.

iii) Embryological Evidences: examples, Biogenetic Law.

iv) Palaeontological Evidences: Distribution of fossils in rocks, dating of rocks and fossils, conclusion drawn from fossil records (brief account).

v) Taxonomical evidences: evolution based principles of classification, phylogenetic tree.

3. Processes of Evolutionary Change:

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

#### UNIT - II

11

1. Species Concept:

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

2. Extinction:

Mass extinctions in history of earth, Mass extinction- Causes, Role of extinction in evolution.

3. Adaptive radiation- Causes and significance, Adaptive radiation in Darwin's finches

4. Hardy-Weinberg Principle- Hardy-Weinberg Equilibrium, Factors that upset Hardy-Weinberg Equilibrium

#### UNIT-III

1. Nature and functions of genetic materials.

- i) DNA Structure, types and functions.
- ii) RNA Structure, types and functions.

iii) Genetic code

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#### DISCIPLINE SPECIFIC ELECTIVE COURSES:

The Discipline Specific Elective Courses (DSEC) offered to students of B.Sc. III Year Zoology are aimed at priming the students for their future careers and/or study in the fields of biological sciences. The students are prepared for pursuing their post-graduate studies. They would also be able to take up entrepreneurship related to biological sciences. Additionally, the students could chose to join public or private sectors like fishery, forestry, wildlife conservation, agricultural research, health services, environmental management and restoration.

#### THE SALIENT FEATURES:

Ecology & Zoogeography and Ethology, Biometry & Bioinformatics are the two compulsory papers in Zoology offered to the B.Sc. III year students in V & VI semesters respectively. The paper in Ecology attempts to elucidate the current state of environment degradation - a serious issue that needs addressing. A good understanding of the dynamic nature of the environment is the core of the first paper. Added to it is also an aspect on the global distribution of different species of animals. The paper on Ethology (or animal behaviour) is the second paper that deals with the different forms of behaviours seen in animals, their methods of learning and their social interactions. An understanding of animal behaviour is of utmost importance to those who deal with study, experimentation, farming or management of animals. The paper also covers fundamental aspects of biostatistics and some topics on bioinformatics.

The elective papers being offered in the last two semesters of the course are **Pisciculture** and **Aquaculture** covering the fields of capture and culture fishery science; **Applied Parasitology- I & II**, dealing with protozoan, helminth and arthropod parasites in human and farm organisms of economic importance; **Entomology- I & II**, dealing with biology, taxonomy, and economic importance of different insect species; **Environmental Biology- I & II**, covering the different aspects of biotic and abiotic components of environment, human influence on the environment and remedial measures at national and international level.

#### SKILL ENHANCEMENT COURSES

Skill enhancement is a new aspect added to the regular course in the university curriculum. Courses offered in conjunction with the regular papers in the different subjects are designed with the aim of imparting specific skills to the students as they progress through the three years of their degree education. These courses aim at imparting (self) employability skills to the students enabling them to initiate their own entrepreneurship. At the very least, these courses are an attempt to equip the students with skills that would enhance their employability in the relevant farm or agricultural enterprises.

The skill enhancement courses offered under the subject of Zoology are -

Parasites of Public Health Importance
 Aquarium keeping

2. Vermiculture & Vermicomposting

4. Sericulture

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Swami Ramanand Teerth Marathwada University, Nanded Choice Based Credit System (CBCS-R2021) Course Structure

B. Sc. Third Year (Semester V& Semester VI) Syllabus w.e.f. June, 2021 Semester Pattern; Subject: Zoology Faculty of Science& Technology

Section - A   PAPER-XII-ECOLOGY AND ZOOGEOGRAPHY   Page		Mai ka lui	Lotal	Credits
C-1   03   C-1   03   C-1   03   C-1   CAPILY   03   CAPILY   03   CAPILY   04   CAPILY   04   CAPILY   04   CAPILY   04   CAPILY   04   CAPILY	Practicals Interna (CA)	rna External (ESE)	Marks	
(-1 (-1 (-1 (-1 (-1 (-1 (-1 (-1	1	40	50	Credit:02
C-1  LOGY - I  LOGY - I  APHY 03  HCS 008  ROBING 008  (A)& 008  (A)& 03  A  LOGY-I & 03  A  L  L  L  A  L  A  A  A  A  A  A  A	5 10	40	50	Credit:02
I.OGY - I  I.OGY - I  I.OGY - I  III  III  III  III  III  III  III				
LOGY - I CAPHY CAPHY OSTING OS				
(A)& (A)& (A)& (A)& (A)& (A)& (A)& (A)&				
(A)&  (B)	10	40	50	Credit:02
(A)& (03) (A)& (A)& (A)& (A)& (A)& (A)& (A)& (A)	£	25	93	Credit:02
(A)& 03 (A)& 03 (A)& 03 (A)& 03 (A)& 03 (A)& 03	9	9	3	Credit:0.*
(A)& 03 LOGY-I & 8. II LD & 03 LD & 03	0.1	40	98	Credit:02
(A)& 03 (A)& 03 (A)& 03 (A)& 03 (A)& 03				
(A)& 03 )LOGY-1 & & & II & LL D)& 03				
LOGY-1 & L.OGY-1 & L.OGY-1 & L.D. & L	01	40	20	Credit:02
& II L D)&	·			
D)&				
03				
B. R. SECZ - IV (G): AQUANIUM KEEP	25	25	20	Credit:02
K v m C. in C. in C. in C. in C. in Control of Semester V & VI 110 290	& VI 110	290	400	Credit:16

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#### SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

Choice Based Credit System (CBCS-R2021) Course Structure

Faculty of Science & Technology

B.Sc. Third Year Syllabus w.e.f. June, 2021

Zoology

Semester -V

Paper: DSEZ-I; Section -A Periods: 45

Title of Paper: Paper-XII - Ecology & Zoo-geography

Credits: 02 (Marks: 50)

**Objectives:** 

- 1. Understand and appreciate interactions of organisms with environment and the ecosystem dynamics.
- 2. Awareness of current environmental issues, and understanding of relation between structure and function of ecosystems.
- 3. Knowledge of local and geographical distribution and abundance of organisms.
- 4. Develop an appreciation of scope of modern scientific inquiry in the field of Ecology.
- 5. Study structural and functional adaptations of organisms to their environment.
- 6. Study conservation of natural resources and management of pollution.

UNIT-I

12

- 1. Ecology-Introduction and Scope of Ecology
- 2. Introduction to Ecosystem
  - 2.1. Components of an ecosystem
    - Abiotic components Light, Temperature & Water
    - Biotic components Producers, Consumers & Decomposers.
  - 2.2. Types of Ecosystem- Aquatic- Pond ecosystem.

Terrestrial- Desert Ecosystem.

- 2.3. Food Chain, Food Web, Ecological Pyramids.
- 2.4. Energy Flow in an Ecosystem.
- 3. Bio-geochemical Cycles
  - 3.1. Gaseous Cycle-Oxygen Cycle
  - 3.2. Sedimentary Cycle-Sulphur Cycle
- 4. Spheres of Earth
  - 4.1. Atmosphere
  - 4.2. Lithosphere
  - 4.3. Hydrosphere
  - 4.4. Biosphere
  - 4.5. Ecological Succession-, Trends, Basic Types, Hydrarch and Xerarch

UNIT-II

1. Population Ecology -

Characteristics of Population

1.1 Natality

1.2 Mortality

1.3 Population

Dr.Dwgesh B.Ravantie, Population

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Choice Based Credit System (CBCS-R2021) Course Structure

Faculty of Science & Technology

B.Sc. Third Year Syllabus w.e.f. June, 2021

Zoology

Semester -V

Paper: DSEZ-I; Section -B

Title of Paper: Paper- XIII (D)-Environmental Biology- I

Periods: 45

Credits: 02 (Marks: 50)

Objectives:

- 1. To study fundamental structure and function of earth ecosystem.
- 2. To develop knowledge base about attributes of different types of ecosystems.
- 3. To study Biodiversity, its classification and identify threats to Biodiversity.
- 4. To gain critical understanding of human influence on Biodiversity.
- 5. To equip students with contemporary tools and technique for ecosystem and wildlife conservation.

Unit-I

12

- 1. Introduction and Scope of Environmental Biology
  - 1.1 Atmosphere: Composition, Structure and Importance
  - 1.2 Hydrosphere: Chemical and Physical properties of water
  - 1.3 Lithosphere: Structure and Composition, Physical and chemical properties of soil. Soil profile and process of soil formation
- 2. Biogeochemical Cycles
  - 2.1 Hydrological Cycle

2.2 Nitrogen Cycle

2.3 Carbon Cycle

2.4 Sulphur Cycle

#### Unit: II

1. Ecosystem

11

- 1.1 Concept and structural components of an Ecosystem
- 1.2 Energy flow in an ecosystem

1.3 Ecological pyramids-

Pyramid of Numbers, Pyramid of Biomass and Pyramid of Energy.

1.4 Food chains and Food web

- (a) Food chains-Grazing, Parasitic, Saprophytic or Detritus food chain
- (b) Food web.
- 2. Marine Ecosystem-
- 2.1 Zonation in-

a) Marine habitat

b) Intertidal habitat

#### Unit - III

11

- 1. Biodiversity- Concept and Characteristics of Biodiversity
- 1.1 Role of Biodiversity
- 1.2 Threats to Biodiversity- Habitat degradation and its loss, Invasion of non native species, Species interdependence, Soil Erosion, pollution, Over- Exploitation of Resources, Change in the Global Environment.

1/3 Biodiversity conservation

i) In-Situ conservation

1.4 Biodiversity MANWATH

ii) Ex-Situ conservation

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Choice Based Credit System (CBCS-R2021) Course Structure

Faculty of Science & Technology

B.Sc. Third Year Syllabus w.e.f. June, 2021

Zoology

Semester -VI

Paper: DSEZ-II; Section -B

Title of Paper: Paper- XV (D)-Environmental Biology -II

Credits: 02 (Marks: 50)

Periods: 45 Objectives:

- 1. To interpret pollution, its causes and effects on environment.
- 2. To learn about mechanisms for protection of the environment from adverse effects of pollution.
- 3. To develop an interdisciplinary approach in the analysis of environmental issues.
- 4. To develop an understanding legal framework for protection of environment.
- 5. To impart basic knowledge about the environment and its allied problems.

UNIT-I

11

- 1. Introduction to Environmental Pollution-
  - 1.1 Origin of Pollution.
  - 1.2 Pollutants: The Creators of pollution.
  - 1.3 Types of pollutants- Biodegradable and Non- Biodegradable Pollutants.
  - 1.4 Kinds of pollution
- 2. Water Pollution
  - 2.1 Types of Water pollution, Kinds and sources of Water pollutants
  - 2.2 Sources and Effects of water pollution.
    - a) Pollution by Sewage and Domestic Waste, Eutrophication and Algal blooms
    - b) Pollution by Heavy Metals; Sources and Effects of Lead and Mercury
  - 2.3 Assessment and Monitoring of Water pollution.
  - 2.4 Control of Water pollution.

UNIT-II

12

- 1. Air Pollution: Types, Sources and Effects of Air Pollutants-
  - 1.1 Thermal Power Plants, Industrial Chimney Waste, Automobile Exhausts
  - 1.2 Sulphate compounds as Air pollutants: Sources and Effects
  - 1.3 Oxides of Nitrogen as Air pollutants: Sources and Effects
  - 1.4 Carondioxide and Carbon Monoxide as Pollutant: Sources and effects
  - 1.5 Acid rains
  - 1.6 Ozone as a Protector and Destroyer
  - 1.7 Chlorofluro Carbons (CFCs)
  - 1.8 Photochemical Smog
- 2. Control of Air pollution.

**UNIT-III** 

11

- 1. Radioactive Pollution: Sources, Effects and Control of Radioactive pollution
- 2. Pollution by Solid Wastes: a) Types and source of Solid wastes
  - b) Effects of solid waste pollution
  - c) Methods of Solid wastes Disposal.

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