

Estd. 2004 NAAC "C" Grade

"Jeevandeep Shaikshanik Sanstha Poi's"

ARTS, COMMERCE & SCIENCE COLLEGE, GOVELI

1.3 Curriculum Enrichment

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

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

Sr. No	Issues relevant to Professional Ethics	Issues relevant to Gender	Issues relevant to Human Values	Issues relevant to Environment and Sustainability
1.	TYBA Philosophy Paper 6 Sem V Unit 3 Living ethical issues Professional Ethics	SYBA philosophy Paper 2 Sem 3 Unit 1,2 Social Political Philosophy Family and Gender issues	FYBA Philosophy Paper 1 Sem 1 Moral Philosophy Introduction to Moral Philosophy	SYBA Geography Paper 2 Sem 3 Unit 1-5 An introduction to Climatology
2.	TYBA Geography Paper 7 Sem VI Unit 1-5 Economic Geography Introduction to Economic Geography Geography of Transport Introduction to Transport Geography	TYBA Sociology Paper 6 Sem VI Unit 1-4 Sociology of Gender Basic Concepts	FYBA Philosophy Paper 1 Sem 2 Unit 1-4 Moral Philosophy Morality of Self Interest	SYBA Geography Paper 3 Sem 3 Unit 1-5 Philosophical Geography of India Introduction of India
3.	TYBA Economics Paper 9 Sem V Unit 1 Economics of Agriculture and Cooperation Agricultural Productivity	TYBA Sociology Paper 6 Sem VI Unit 1-4 Gender and Society in India: Contemporary debates and emerging issues Sites of Violence against Women	SYBA Philosophy Paper 3 Paper 2 Unit 1 -2 Social Political Philosophy Family and Gender issues	SYBA Geography Paper 2 Sem IV Unit 1-5 Introduction to Oceanography Nature of Oceanography

		SYBA Philosophy	SYBA Geography
	TYBA History Paper 9B Sem V Unit 1-4 Introduction to Heritage Tourism Understanding Heritage Tourism	Paper 2 Sem 4 Unit 1-4 Political Ideologies	Paper 3 Sem IV Unit I Agricultural Geography of India Introduction to Agricultural Geography
5.	TYBA History Paper 4 Sem VI Unit 4 History of Mediaeval India Society and Economy, Religion and Culture of Mughal Empire	TYBA Geography Paper 8B Sem VI Unit 1-5 Social Geography Introduction to Social Geography	TYBA Geography Paper 6 Sem V Unit 1-5 Geography of Settlements Introduction to Settlement Geography
6.	TYBA History Paper 7 Sem 6 Unit 4 History of the Marathas Administrative and socio cultural developments	TYBA Economics Paper XVII Sem VI Unit 1-4 Indian Economic Thought The Modernist	TYBA Geography Paper V-A Sem V Unit 1-5 Geography of Maharashtra Maharashtra: Geographical setting
7.	TYBA History Paper 9B Sem VI Unit 1 Heritage Tourism in Maharashtra Understanding Heritage Tourism of Maharashtra	TYBA History Paper 6B Sem V,VII, Unit 1-4 History of Modern Maharashtra Beginning of British Rule History of Marathas Introduction to Maratha History Administrative and Socio cultural developments	TYBA Geography Paper VI Sem B Unit V Tools and Techniques in Geography for Spatial Analysis -I Map Projections, Use of Computers in Geographical Data Interpretation
8.			TYBA Geography Paper 7 Sem V Unit 1-5 Regional Planning and Development Understanding Regiona planning
9.			TYBA Geography Paper 8C Sem V

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		Unit 1-5 Geography of Disaster Litigation and Management Meaning and Concept of Disaster and Hazard
10.		TYBA Geography Paper 9 Sem V Unit 1-5 Geospatial Technology Remote Sensing
11.		TYBA Geography Paper IV Sem VI Unit 1-5 Environmental Geography Introduction to Environmental Geography
12.		TYBA Geography Paper V -A Sem VI Unit 1-5 Geography of Tourism and Recreation Introduction to Tourism Geography
13.		TYBA Geography Paper 5-B Sem VI Unit 1-5 Political Geography Introduction to Political Geography
14.		TYBA Geography Paper VI Sem VI Unit 1-5 Tools and techniques in Geography for Spatial analysis-2 Nature and Data and Central tendency
15.		TYBA Geography Paper VIII A Sem VI Unit 1 Biography Introduction to

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			Biogeograph
16.			TYBA Geography Paper VIII Sem V Unit 1-4 Economics of Development Concepts of Economic growth and Development
17.			TYBA Economics Paper X Sem V Unit 1 Economic History of India Growth and Structural Change
18.			TYBA Economics Paper XVII Sem VI Development Theory and Experience Demography and Development
19.			TYBA History Paper VI _B Sem V Media and Communication Fundamentals of Communication
20.			TYBA History Paper VIII Sem V Unit 1-4 History of Contemporary World Cold War
21.			TYBA History Paper VI -B Sem VI Unit 1-4 Media and Communication Radio and Television

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22.		9,4365	FYB.Com/BMS FC Paper I Module 1-5 Environmental Studies I
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Principal
Jeevandeep Shaikshanik Sanstha's
Arts, Commerce 2. Sciance College, Goveli.
Goveli, Tal. Kalyan, Dist. Thane - 421103

Relevant Syllabus Copies



FYBA Philosophy (2018-19)

Course Title: Moral Philosophy

Paper No. 1 Credits: 04

No. of lectures: 60

Marks: 100

The overall objectives of the course are as follows:

- 1. Familiarize students with significant contributions from the history of moral philosophy
- 2. Inculcate in students a sense of moral reasoning based on analytical reasoning rather than on dogmatic assertion
- 3. Provide students with an ethical framework for assessing moral decisions in different areas of life.
- 4. Encourage students to appreciate the relevance of different moral cultures and outlooks in a globalized world

Semester 1 (UAPHI 101)

Unit 1: Introduction to Moral Philosophy (15 lectures)

- (a) Definition, nature and scope (branches) of philosophy
- (b) Nature of moral philosophy (facts and values; intrinsic and extrinsic values) and areas of ethics (descriptive ethics, normative ethics, meta-ethics and applied ethics)
- (c) Ethical Relativism: arguments defending this position; critical evaluation

Unit 2: Moral concepts in Indian Philosophy (15 lectures)

- (a) Concepts of Rta, Rna, and purushartha
- (b) Philosophy of non-attachment (nishkama karma yoga)
- (b) Sthitaprajna: the moral ideal

Unit 3: The Good Life: Greek Ethics (15 lectures)

- (a) Socratic Ethics: virtue is knowledge; can ethics be taught?
- (b) The Four Virtues: Plato (in the context of *Republic*)
- (c) Ethics of Character: Aristotle

Unit 4: Freedom and Determinism (15 lectures)

- (a) Determinism: types of determinism: scientific determinism, religious determinism (i.e. predestination) and fatalism; critical appraisal of determinism
- (b) Indeterminism (i.e. libertarianism): arguments in support of free will; agency theory of freedom; critical appraisal of indeterminism
- (c) Compatibilism: reconciling determinism and freedom

Semester 1 End Exam Evaluation [100 marks]

- 1. There shall be five compulsory questions
- 2. First four questions shall correspond to the four units
- 3. Question 5 shall be Short Notes (one from each unit and attempt any 2 of 4)
- 4. All questions shall contain internal choice
- 5. Each question shall carry a maximum of 20 marks

Reference and reading list recommended for the cours	Reference and	reading	list	recommended	for	the	cours
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- ----- I. C. Sharma. Ethical Philosophies of India (New York: Harper and Row, 1965)
- ----- Pradeep Gokhale and S. Bhelke Studies in Indian Moral Philosophy: Problems,

Concepts, and Perspectives (Pune: Indian Philosophical Quarterly, 2002)

- ----- Jacques Thiroux, Ethics: Theory and Practice
- ----- James Cornman, Keith Lehrer and George Pappas. *Philosophical Problems and Arguments: An Introduction*
- ----- James Fieser and Norman Lillegard, *Philosophical Questions: Reading and Interactive Guides* (New York/Oxford: OUP, 2005)
- ----- KedarNath Tiwari, Classical Indian Ethical Thought (Motilal Banarasidas, 1998)
- ----- William Frankena. Ethics (Prentice Hall, 1973)
- ----- William Lawhead. *The Philosophical Journey: An Interactive Approach* (Mayfield Publishing Company, 2000)

Semester 2 (UAPHI 201)

Unit 1: Morality of Self-interest (15 lectures)

- (a) Hedonistic Egoism: Epicurus
- (b) Psychological Egoism: Thomas Hobbes
- (c) Ethical Egoism: Ayn Rand

Unit 2: Modern Ethical Theories (15 lectures)

- (a)Ethics of altruism: David Hume: nature and origin of morality: sentiment (sympathy) versus reason; Virtues: artificial and natural
- (b)Deontological Ethics: Immanuel Kant: Categorical Imperative: formula of Universal law and formula of End-in-itself, critical appraisal.
- (c)Utilitarianism: John Stuart Mill: Critique of Jeremy Bentham's view; Greatest Happiness principle, higher and lower pleasures, two sanctions, critical appraisal.

Unit 3: Alternative Ethical Theories (15 lectures)

- (a) Augustinian Ethics: Happiness and Virtue, love of God and neighbour
- (b) Existentialist Ethics: Jean Paul Sartre (existence precedes essence, anguish and abandonment, bad faith)
- (c) Feminist Ethics: Ethics of Care: Carol Gilligan (against the backdrop of Lawrence Kohlberg's 'Stages of Moral Development')

SYBA Philosophy (2017-18)

Course Title: Social Political Philosophy

Paper No. 2 Credits: 3

Total Lectures: 45

Marks: 100

The overall objectives of the course are as follows:

- 1. To acquaint students with the basic philosophical questions and issues that are current in social and political philosophy
- 2. To equip students with argumentative and analytical skills involved in philosophizing through these issues
- 3. To encourage a spirit of rationality in philosophizing while appreciating and respecting differing philosophical ideas and perspectives

Semester 3: Social Philosophy (UAPHI-301)

Unit I Family and Gender Issues (11 Lectures)

Perspectives on family & marriage: (i) Plato's perspective on marriage and family (ii) Bertrand Russell's perspective on marriage and family. Contemporary trends in family and marriage: (i) single parent families, (ii) live – in relationships, (iii) same-sex marriages. Gender as a construct: (i) Feminism (Simon de Beauvoir) and (ii) Masculinity.

Unit II Social Awareness (11 Lectures)

Economic discrimination: (i) Gandhi's notion of trusteeship and (ii) critique of capitalism; class discrimination: (i) Marx's theory of alienation (of proletariat) and (ii) class conflict-bourgeois and proletariat; racial Discrimination: (i) Frantz Fanon's psycho-analysis of racism and (ii) dialectics of recognition(Hegel); caste discrimination: (i) Ambedkar's account of the problem of caste discrimination and (ii) Ambedkar's response to it

Unit III Just War and Pacifism (11 Lectures)

Just War Theory: (i) Justice of War (jus ad bellum) (ii) Justice in war (jus in bello), (iii) Justice after war (jus post bellum); types of pacifism.

Unit IV Engaging Diversity (12 Lectures)

Philosophical perspective on multiculturalism: Bhikhu Parekh; critique of multiculturalism - Brian Barry; rights of refugees and rights of immigrants — Michael Dummett; Orientalism- Post-colonial critique of the European representation of the Orient-Edward Said

Semester End Exam Evaluation [100 marks]

- 1. There shall be five compulsory questions
- 2. First four questions shall correspond to the four units
- 3. Question 5 shall be Short Notes (one from each unit and attempt any 2 of 4)
- 4. All questions shall contain internal choice
- 5. Each question shall carry a maximum of 20 marks



Michael Dummett *Immigration and Refugees* Routledge London and New York, (chapters 1-5)

Semester 4: Political Philosophy (UAPHI-402)

Unit I: Political ideologies (11 Lectures)

Characteristics of (i) Liberalism (ii) socialism (iii) Anarchism (iv) Totalitarianism, (v) Cosmopolitanism (vi) Nationalism

Unit II: Liberty (11 Lectures)

Isaiah Berlin: Negative and Positive liberty; Thomas Hobbes: negative liberty; Jacques Rousseau: positive liberty; Third Concept of Liberty: Republican Theory of Liberty (liberty as non-domination); right to dissent and civil disobedience – Martin Luther King

Unit III Equality (11 Lectures)

Types of equality: (i) Numerical (ii) Proportional and (iii) Moral; Ronald Dworkin's view on the equality of resources; Gandhi: Sarvodaya (universal welfare)

Unit IV Justice (12 Lectures)

Justice as preservation: Plato; Justice as entitlement: Robert Nozick; Justice as fairness: John Rawls; Social justice: B. Ambedkar.

Semester End Exam Evaluation [100 marks]

- 1. There shall be five compulsory questions
- 2. First four questions shall correspond to the four units
- 3. Question 5 shall be Short Notes (one from each unit and attempt any 2 of 4)
- 4. All questions shall contain internal choice
- 5. Each question shall carry a maximum of 20 marks

References and reading list recommended for the course:

Unit 1.

Robert Goodman, Philip Pettit and Thomas Pogge *A Companion to Contemporary Political Philosophy* Blackwell: 2007 (2 volumes)

Baradat, Leon. *Political Ideologies: their origins and impact* (Pearson-Prentice Hall, 2008) Bird, Colin. *An Introduction to Political Philosophy* (Cambridge University Press, 2006) Heywood, Andrew. *Political Theory: An Introduction* (Palgrave Macmillan, 2012/13) Knowles, Dudley. *Political Philosophy* (London: Routledge, 2001)

Unit 2.

David Miller ed. *The Liberty Reader* Routledge 2006: Readings from the above text as follows: (a)Two Concepts of Liberty by Isaiah Berlin (b) Negative and Positive Freedom by Gerald C. MacCallum, Jr. (c)*The Republican Ideal of Freedom* by Philip Pettit (d) *A Third Concept of Liberty* by Quentin Skinner

Martin Luther King. "Letter from Birmingham Jail" https://web.cn.edu/kwheeler/documents/Letter Birmingham Jail.pdf 1963 Unit 3.

Stephan Goosepath "Equality" in Stanford Encyclopedia of Philosophy



- (a) Retributive theory, critical appraisal
- (b) Deterrent theory and reformative approach to punishment; critical appraisal
- (c) Capital punishment: retentionists versus abolitionists

Semester 2 End Exam Evaluation [100 marks]

- 1. There shall be five compulsory questions
- 2. First four questions shall correspond to the four units
- 3. Question 5 shall be a Short Note (one from each unit and attempt any 2 of 4)
- 4. All questions shall contain internal choice
- 5. Each question shall carry a maximum of 20 marks

Reference and reading list recommended for the course:

Ayn Rand, The Virtue of Selfishness [Introduction, chpts. 1 and 3] (New York: Signet
Book, 1964)
H.B. Acton (ed.), The Philosophy of Punishment (Macmillan, 1969)
James Fieser and Norman Lillegard, Philosophical Questions: Reading and
Interactive Guides (New York and Oxford: OUP, 2005)
James McGlynn& Jules Toner, Modern Ethical Theories (New York: Bruce Publishing
Company, 1962)
Jean Paul Sartre, "Existentialism is a Humanism" in Walter Kaufman (ed.),
Existentialism from Dostoyevsky to Sartre (New American Library -Meridian Book, 1975) Jeffery Olen and Vincent Barry, Applying Ethics (Wadsworth, 1998) Neil Levy, Sartre (Oneworld Publications, 2007)
Richard Norman, The Moral Philosophers: An Introduction to Ethics (Oxford:
Clarendon Press, 1983)
Ted Honderich, <i>Punishment: The Supposed Justifications</i> (Penguin Books, 1969)
William Lawhead, The Philosophical Journey: An Interactive Approach (Mayfield
Publishing Company, 2000)

TYBA Philosophy (2018-19)

Course Tile: Living Ethical Issues

Paper No. 6 Credits: 04

No. of Lectures: 45 Total Marks: 100



The overall objectives of the course are as follows:

- 1. To reflect on real world ethical questions and the issues they raise, and to discuss those issues in an informed way.
- 2. To demonstrate an ability to recognize, articulate, and apply ethical principles in various academic, professional, social, or personal contexts

Semester 5 (UAPHI-503)

Unit I: Bioethical Issues - I (12 lectures)

Abortion: the abortion debate: is the foetus a person? Arguments from pro-choice (abortionists) versus pro-life (anti-abortionists) arguments. Euthanasia: the moral issue: conflict between duty to prolong life versus duty to relieve pain; forms of euthanasia: voluntary/non-voluntary and active/passive; moral and legal justification of euthanasia: pros and cons. Surrogate motherhood: empowerment or exploitation; redefining the notion of 'mother' – genetic, biological and social; advantages and critique of surrogate arrangements.

Unit II: Bioethical Issues - II (11 lectures)

Ethical issues in experimentation on human subjects: the principles of respect for autonomy of persons, beneficence and justice. Moral status of animals: views of Peter Singer and Tom Reagan. Ethics of human cloning: what is human cloning?; issues that make human cloning attractive; ethical dangers involved in human cloning.

Unit III: Professional Ethics (11 lectures)

Medical ethics: informed consent and confidentiality. Journalistic ethics: truthfulness and objectivity. Advertising ethics:

Unit IV: Contemporary Debates - 1 (11 lectures)

Pornography and censorship: arguments for and against pornography; is censorship of pornographic material justified? Homosexuality: arguments for and against homosexuality; is State interference in individuals' sexual preferences justified? Sexual harassment: what counts as sexual harassment?

Semester End Exam Paper Pattern [80 marks]

- 1. There shall be four compulsory questions.
- 2. The four questions shall correspond to the four units.
- 3. All questions shall contain internal choice.
- 4. Each question shall carry a maximum of 20 marks.



Semester 6 (UAPHI 603)

Unit I: Environmental ethics (12 lectures)

Land ethics with special reference to Aldo Leopold. Shallow and deep ecology models of sustainable development: Arne Naess. The claims of ecofeminism: is it an environmental ethic?

Unit II: Religious attitudes towards the environment (11 lectures)

Vedic-Hindu perspective on the environment: reverence and sanctity of nature? Judeo-Christian attitude towards the environment: dominion or stewardship? Buddhist view on environmental ethics.

Unit III: Corporate ethics (11 lectures)

Business ethics: can there be ethics in business? Models of business ethics. Do business corporate houses have social responsibility: arguments for and against CSR. Affirmative action: arguments for and against affirmative action

Unit IV: Contemporary Debates – 2 (11 lectures)

Hunger and poverty: Peter Singer. The case against assisting the poor: Garrett Hardin. Do we have obligations to future (human and non-human) generations?

Semester End Exam Paper Pattern [80 marks]

- 1. There shall be four compulsory questions.
- 2. The four questions shall correspond to the four units.
- 3. All questions shall contain internal choice.
- 4. Each question shall carry a maximum of 20 marks.

Project Based Component [20 marks] List of titles for semester 6 project

- 1. Social ecology
- 2. Ethics of nuclear war
- 3. Affirmative action (reservations) in the Indian context
- 4. Does Nature have intrinsic value?
- 5. Ethical issues concerning climate change (global warming)
- 6. CSR Any case study (Indian context)
- 7. Significance and impact of environmental movements/activism
- 8. Green technologies for sustainable development.

Project Guidelines:

- 1. Students will select a project title from the list of topics for the semester specified in the course and indicate the same to the faculty member.
- 2. The list of students along with the topics chosen will be displayed by the College in the beginning of the Semester

TYBA SOCIOLOGY

SEMESTER V

CREDIT 04

PAPER V

Sociology of Work

Course Rationale:

- To introduce students to the area of industrial sociology
- To help students to develop sociological understanding of the changes taking place in the area

Unit I Basic Concepts

12 lectures

- a. Work,
 - Work behavior, Work environment, Work ethics and Work culture
- b. Industry
 - Evolution, characteristics, Impact
- c. Pre-conditions and consequences of industrialization

Unit II Changing Division of Labour

12 lectures

- a. Fordism and post Fordism
- b. Post Industrialism
- c. Global division of labour and global inequalities

Unit III Trends in Industry

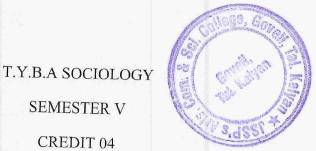
12 lectures

- a. Work and automation
- b. Emergence of Service Industry
- c. Industrial relations and trade unions

Unit IV Knowledge Industry

9 lectures

- a. Liberalization, Privatization and Globalization Meaning, features, impact
- b. BPO Meaning, issues
- c. KPO- meaning and issues



CREDIT 04

PAPER V

100 Marks

SOCIOLOGY OF COMMUNICATION

Course Rational:

1. To Introduce to the students the basic concepts in Sociology of Communication and role of Mass Communication through new technology in contemporary societies.

2. To encourage critical evaluation of the impact of Mass communication on culture and Society.

Unit.I. Basic Concepts-I Lectures

12

- a. Communication and Mass Communication
- b. Interpersonal Communication
- c. Folk Media and Mass Media

Unit.II.Basic Concepts-II

Lectures

12

09

- a. Internet: Nature and Function
- b. Social Media: Dynamics and Strengths
- c. Advertisement

Unit .III. Perspectives on Mass communication

12 Lectures

- a. Functionalist Perspective
- b. Critical Perspective
- c. Political economy of communication

Unit.IV.Contemporary Issues

Lectures

- a. Development communication
- b. Digital India: concept and nature
- c. Information Communication technology

Reading List

- 1. Chomsky Noam(1994) Manufacturing Consent: The political Economy of the Mass Media. Vintage Publisher . London
- 2.DenisMcQuail(2010). McQuail's Mass Communication Theory. New

Delhi: Sage Publications, 2010, (6th Ed.). ISBN 978-81-321-0579-4.

TYBA Paper VI

Semester V

No of Credits - 3

373.88

Sociology of Gender

Objectives:

- To trace the evolution of Gender as a category of social analysis.
- To trace the emergence of women's movement in India and the history of their struggles

Unit 1 Basic Concepts

9 Lectures

- Sex, gender and the heteronormative regime
- Gender beyond the binary
- Many women, many feminisms and intersectionality

Unit 11 Feminist perspectives: Selected Readings

9 lectures

- Classical
 - Liberal Mary Wollstonecraft
 - o Radical Kate Millet
 - O Socialist Juliet Mitchell
- Contemporary
 - Black feminism bell hooks
 - o Postmodern feminism: Julia Kristeva

Unit III New Challenges

9 lectures

- Dalit feminism: KumudPawade
- O Queer perspectives: Judith Butler
- Masculinity Studies

Unit 111 History of Women's Struggles

6 lectures

- Colonial nationalist era: Key debates
 - o Child marriage, widowhood, sati, education, political rights
- Contemporary era: Campaigns
 - o Emergence of the autonomous women's movement: Dowry, Rape and Health
 - o Current debates: Sexual violence and Rights in Marriage and Divorce

Paper VI

TYBA Semester VI

No of Credits - 3



Gender and Society in India: Contemporary Debates and Emerging Issues

Objectives

- To understand new and emerging issues in the Indian feminist landscape
- To understand newer methods of protest and resistance

Unit I Sites of Violence Against Women

9 lectures

- Family as a site of violence: Invisible forms of everyday violence
- Women in situations of conflict: communal conflict, caste violence and armed conflict.
- Sexual harassment: Street and work place (Protection of Women from Sexual Harassment (Prevention and Redressal) Act, 2013)
- Violence in virtual spaces: Twitter and facebook misogyny and trolling

Unit II Marginalised Genders

9 lectures

- Gender galaxy
- Queer activism
- Section 377

Unit III Protests and Resistance

9 lectures

- Reproductive Health: Debates on surrogacy
- Livelihood struggles: Land and forests

Legislation: A feminist critique (rape and domestic violence)

6 lectures

Unit IV Feminist campaigns in digital spaces

- Why loiter
- Right to bleed
- Pinjra Tod
- #Me too

Readings

Books

Agarwal, Anuja. (1997). Gendered Bodies: The case of the 'third gender' in India. Contributions to Indian Sociology, Vol 31- (2), 273-297

CREA.2006. Sexual Rights and Social Movements. CREA: New Delhi

Ingraham, Chrys. (1994). The heterosexual Imaginaries: Feminist Sociology and Theories of Gender. *American Sociological Association*, 12(2), 203-219

Joseph, Sherry. (1996). Gay and Lesbian Movement in India. EPW. Vol- XXXI (33)

Kannabiran, K. (ed). The violence of normal times: Essays on women's lived realities. Kali for women: New Delhi.

Lal, Vinay. (1999).Not This, Not That: The Hijras of India and the Cultural Politics of Sexuality. Social Text, Vol- 61, 119-140

Menon, Nivedita. 2013. Seeing Like a Feminist. Zubaan: New Delhi

Menon, Nivedita: 2004. Recovering subversion: feminist politics beyond the law. New Delhi: Permanent Black

Nanda, Serena. (1998). Neither Man nor Woman: The Hijras of India. Wadsworth Publishing: USA

Omvedt, G. 1990. Violence against women: New movements and new theories in India. Kali for women: New Delhi.

Patel, V. 2002, Women's challenges of the new millenium. Gyan Publishing House, New Delhi

TYBA SOCIOLOGY SEMESTER V CREDIT 04 PAPER VII / VIII



(100 Marks)

Sociology of Human Resource Development

Course Rationale:

- To familiarize the students with role and functions of human resource development at the micro and macro level.
- To create an awareness of the various issues involved in the development of human resources with particular emphasis on social and cultural factors.

Unit I Overview of Human Resource Development 12 Lectures

- a. Nature, Features and goals
- b. Need, Scope, Functions
- c. Evolution of HR function and role of HR manager

Unit II Recruitment, Selection and Performance Appraisal 12 Lectures

- a. Recruitment: Relevance, Factors, Process and Programmes
- b. Selection: Selection Procedure, Barriers to effective selection
- c. Performance Appraisal: Purpose, Methods(Trait Methods, Forced-choice Methods, Behavioral Methods, Results Methods), Process & Design

Unit III Emerging Issues and challenges in HRD

12 Lectures

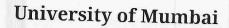
- a. Ergonomics and human factors at work
- b. Corporate Social Responsibility
- c. Total Quality Management

Management Services and Operations 9 Lectures

- a. Talent Management: Need, Importance and Benefits
- b. Project Human Resource Management: Overview, Significance, Benefits
- c. Image Building: Features, Need and Benefits

Reading list:

Unit IV



FYBA GEOGRAPHY: SEMESTER - I

PAPER NO. 1 - Human Geography (मानवी भूगोल)

Revised Syllabus (CBSGS): 2021 - 2022

Unit : 01 - मानवी भूगोल परिचय

1.1 - मानवी भूगोल : अर्थ, व्याख्या, स्वरूप आणि व्याप्ती

1.2 - मानवी भूगोलाच्या शाखा

1.3 - मानवी भूगोलाचे विविध दृष्टिकोन

1.4 - मानव - पर्यावरण सहसंबंध, निसर्गवाद, शक्यतावाद व संभववाद

Unit: 02 - लोकसंख्या

- 2.1 जागतिक लोकसंख्या बदलाचा कल आणि आकृतिबंध
- 2.2 लोकसंकख्या संक्रमण प्रतिमान
- 2.3 लोकसंख्येची घणता, त्याचे वितरण आणि विकास
- 2.4 न्यूनतम लोकसंख्या, अतिरिक्त लोकसंख्या व पर्याप्त लोकसंख्या : संकल्पना व समस्या

Unit: 03 - वसाहती / वस्ती

- 3.1 ग्रामीण व शहरी वसाहतींची संकल्पना
- 3.2 वसाहतींचे प्रकार व प्रारूप
- 3.3 स्थान व स्थिती संकल्पना
- 3.4 कार्याच्या आधारावर शहरी वसाहतींचे वर्गीकरण



Unit : 04 - स्थलांतर

- 4.1 स्थलांतराची संकल्पना व प्रकार
- 4.2 स्थलांतराची कारणे : आकर्षक व प्रतिकर्षक घटक, स्थलांतराचे परिणाम
- 4.3 स्थलांतराच्या प्रक्रिया आणि स्वरूप
- 4.4 उदयोन्मुख स्थलांतराचा कल किंवा अधिकृत आणि अनाधिकृत आंतरराष्ट्रीय स्थलांतराची समस्या, स्थलांतरीत निर्वासितांचे संकट / पेच

Unit : 05 - प्रात्याक्षिक (Practical)

- 5.1 नकाशा : अर्थ, व्याख्या, घटक, प्रकार आणि महत्व
- 5.2 नकाशा प्रमाण : अर्थ, व्याख्या, शब्द प्रमाण व आलेखीय (रेषा) प्रमाण
- 5.3 कोरोप्लेथ, आयसोप्लेथ, डॉट मॅप (बिंदू नकाशा) आणि फ्लो मॅप (ओघ दर्शक) नकाशा तयार करणे
- 5.4 लोकसंख्या मनोरा (आलेख) तयार करणे. (Population Pyramid)

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University of Mumbai Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

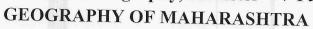
T.Y.B.A. / T.Y.B.Sc. Geography, Semester - V, Paper - IV Subject Title: GEOGRAPHY OF SETTLEMENTS

COURSE CODE:	(2010 10)	_	
e e RSE CODE.	(2018-19), Credit:	04	

	UNIT – I: Introduction of Settlement Geography	No. of Lectures			
1.1	Settlement geography: definitions, nature and scope	Lectures			
1.2	Settlement types, their characteristics and differences	-			
1.3	Factors influencing growth and distribution of settlements	12			
1.4	Importance of settlement studies in geography				
	UNIT – II: Geography of Rural Settlements				
2.1	Origin and growth of settlements - evolution of rural settlements				
2.2	Site and situation of rural settlements	12			
2.3	Classification of rural settlements on the basis of population and patterns	12			
2.4	Classification of rural settlements on the basis of spacing and functions				
) 1	UNIT – III: Rural Settlements in India				
3.1 Distribution and density of rural settlements in India					
3.2 Structure of house and building materials in India 3.3 Regional variations in rural settlement patterns in India					
	UNIT – IV: Urban Settlements				
.1	Origin and growth of urban settlements				
.2	Classification of urban settlements on the basis of culture and functions	12			
.3	Hierarchy of urban Settlement: rank size rule and primate city	12			
.4	Ashok Dutts's models of South Asian city: port city and bazaar city				
	UNIT – V: Urban Settlements in India				
.1	Urbanisation in India: Trends, patterns and types of towns				
.2	Morphology of urban settlements in India (With reference to a port and inland city)	12			
.3	Urban problems in Indian cities				
4	Smart city: Concept, need and implementation in India				

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS) T.Y.B.A. / T.Y.B.Sc. Geography, Semester – V Paper: V-A



COURSE CODE:	, Credit:	04
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	Unit-I: Maharashtra: Geographical Setting	TOTAL LECTURES
1.1	Location, extent and boundaries	22C TORRES
1.2	Administrative setup and divisions	
1.3	Relief and climate	12
1.4	Drainage system	
	Unit-II : Natural Resources	
2.1	Soils	
2.2	Natural vegetation	
2.3	Minerals	12
2.4	Power resources	
	Unit-III: Human Resources	
3.1	Population growth	
3.2	Distribution –urban-rural and population density	12
3.3	Structure of population : Age-sex	
3.4	Occupational structure of population	
-		
	Unit-IV : Agriculture, Fishing and Livestock Resources	
4.1	Salient features of agriculture	
4.2	Agricultural regions, recent issues and policies	12
4.3	Fisheries, recent issues and policies	12
4.4	Livestock resources recent issues and policies	
	Unit-V: Industries, Trade and Transport	
5.1	Major industrial regions	
5.2	Role of transport in industrial development	12
5.3	Industrial issues and policies	12
5.4	Trade and transport	

University of Mumbai

Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS) T.Y.B.A. / T.Y.B.Sc. Geography, Semester – V, Paper : V-B

Subject Title:	POPULATION	GEOGRAPHY	
COURSE CODE: _		Credit: 04	

UNIT	T-I, Introduction to Population Geography	TOTAL	
1.1	Concept, definition, nature, scope, importance	LECTURES	
1.2	Evolution and recent trends		
1.3	Basic sources of population data and their important elements	12	
1.4	Population geography and other social sciences		
UNIT	- II, Population Dynamics		
2.1	Population growth in the world (continent wise and level of development)		
2.2	Population growth in India		
2.3	World: Population density and its determinants	12	
2.4	Structure of population in developed and developing world (Age and Sex, Rural and Urban)		
UNIT-)	III, Theories of Population Growth		
3.1	Demographic Transition Model		
3.2	Malthu's Population Theory	12	
3.3			
3.4	Theory of optimum population		
UNIT-	IV, Migration		
.1	Definition and Classification of Migration	12	

4.2	Causes and Consequences of Migration	
4.3	Recent trend of migration in India	
4.4	Issues of infiltration and its impacts in India	
UNIT-	V. Contours	
	V, Contemporary Issues Ageing population	
5.1	Ageing population	12
5.1 5.2 5.3		12

Reference:

- Bhende A. and Kanitkar T.,(2000): *Principles of Population Studies*, Himalaya Publishing House
- ChandnaR.C.andSidhuM.S.,1980: An Introduction to Population Geography, Kalyani Publishers
- Chandna, R C (2006), Jansankhya Bhugol, Kalyani Publishers, Delhi
- Chandna, R C (2014),: Geography of Population: Concepts, Determinants and Patterns, Kalyani Publishers, Delhi
- Tiwari Ram Kumar (2015) Jansankhya Bhugol PravalikaPublication, Allahabad
- Thakur, Patil, Datta, Pednekar, Roy, and Kamble (2016): Population Geography, Konkan Geographers Association in India
- Roy. D. (2015) Population Geography, Books & Allied Publication, Kolkata

QUESTION PAPER PATTERN:

Time: 3 ho		Marks; 100
N.B. 1. All	questions are compulsory and carry equal marks.	Wai K5, 100
2. Use	of Map Stencils is permitted.	
	w sketches and diagrams wherever necessary.	
Q. 1	Long answer question on Unit-I	20 Marks
	OR	
	Long answer question on unit –I for 20 Marks	20 Marks
	or	

University of Mumbai Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS) T.Y.B.A. / T.Y.B.Sc. Geography, Semester – V. Paper No: VI

Subject Title: TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS-I (Practical)

COURSE CODE:	, Credit:	03	
	y Ci cuit.	UJ	

Unit -I	Map Projections	Lecture
		09
	1.1. Basic Concepts – Definition, scale, direction, azimuth, graticule,	09
	great circle, true meridian, types of projections choice of projections	
	1.2. Zentinal Polar Projections – Equal Area Equidistant	
	1.3. Cylindrical Projections - Equal Area Equidistant	
	1.4. Conical Projections - One standard parallel, two standard parallel	
Unit-II	Map Basic	
	2.1. Basic elements of map and calculation or identification of relief,	
	direction, bearing and distance	09
	2.2. Area calculation with square method and strip method	
	2.3. Demarcation of watershed on toposheet, Tracing of stream	
	network and contours	
Unit-III	Survey of India Toposheets	
	3.1. Signs and symbols, marginal information	
	3.2 Study of physiography design are the state of the sta	09
	3.2. Study of physiography, drainage and vegetation (one full-toposheet of hilly and plateau region each)	
	3.3. Study of settlements – size, pattern, utilities (one full toposheet of	
	plains and urban region each)	
	3.4. Study of transport network (one full toposheet of plains and urban area each)	
Unit-III	Preparation of Thematic maps (Manually)	
	4.1. Preparation of a district thematic maps with actual data- Dot and	09
	rictogram	0,5
	4.2. Preparation of a district thematic maps with actual data- Choropleth and Isopleth	
	4.3. Preparation of a district thematic maps with actual data- Located bar, located circle and pie chart	
Unit-V	Use of computers in geographical data representation	
	5.1. Construction of line graphs & simple and multiple bar graphs	09

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester – V, Paper – VII

Subject title: REGIONAL PLANNING AND DEVELOPMENT

COURSE CODE: _____ (2018-19), Credit: 04____

	UNIT – I: Understanding Regional Planning	No. of Lectures
1.1	Planning: Concept, types and need	Dectures
1.2	Regional planning: Concept, nature, relation with Geography	
1.3	Role of surveys and geospatial technology in regional planning	12
1.4	Problems associated with regional planning	
	UNIT – II: Concept of Region in Planning	
2.1	Region: Concept, types and delineation	
2.2	Planning Regions: Need, characteristics and hierarchy	-
2.3	Demarcation of planning regions: Principles, criteria and methods	12
2.4	Perroux's Growth Pole Theory and regional planning	
	UNIT – III: Understanding Regional Development	
3.1	Development: Concept and indicators	+
3.2	Regional disparities in development: Concept and measurements	
3.3	Spatial and Non-Spatial Models of Development with Special Reference to Rostow's Model and Myrdal's Model	12
3.4	Strategies for regional development	
	UNIT – IV: Regional Planning in India – I	
.1	Five-Year Plans: Features, achievements and failure	-
.2	Multi-level planning in India	12
.3	Planning regions of India	12
.4	Changing planning mechanism of India: NITI Ayog	
	UNIT – V: Regional Planning in India – II	
.1	Micro level planning in rural area	1
.2	Backward area development programme	10
	programme	12
.3	Urban fringe of Indian cities: Problems and planning	

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS) T.Y.B.A./T.Y.B.Sc. Geography, Semester – V, Paper – VIII - A

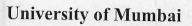
Subject Title: GEOGRAPHY OF RESOURCES

COURSE CODE:	(2018-19), Credit: 04	

27	UNIT – I: Introduction to the Resources	TOTAL
1.1	Meaning and importance of the natural resources	LECTURES
1.2	Factors influencing on resource utilization and related theories	-
1.3	Classification of resources	12
1.4	Issues with renewable and non-renewable resources	
U	NIT – II: Natural resources: over exploitation and conservation measures	
2.1	Over exploitation and depletion of natural resources	
2.2	Resource consumption pattern in the developed and underdeveloped countries	A CONTRACT
2.3	Need and measures for resource conservation	12
2.4	Sustainable use of natural resources	
2.1	UNIT – III: Natural Resources, Part –I	, , , , , , , , , , , , , , , , , , , ,
3.1	Distribution of water resources on the Earth	
3.2	Water consumption pattern, water pollution and water conservation	12
3.3	Distribution of forest resources in the world	
3.4	Deforestation and forest conservation	
1 1	UNIT – IV: Natural Resources Part –II	
4.1	Soil composition and factor affecting soil formation	
4.2	Soil degradation and its conservation	12
4.4	Minerals and their classification	
4.4	Use of energy minerals and their conservation	
	UNIT - V: Human Resources	
5.1	Concept of human resource: skilled and unskilled workers	
5.2	Distribution of population in the world	12
5.3	Concept of over, under and optimum population	
5.4	Population Resource regions	

Reference Books:

- 1. Chandna R.C. (2014): Geography of Population, Kalyani Publishers, Ludhiana, India
- 2. Gautam Alka (2010) Environmental Geography: Sharda Pustak Bhavan, Allahabad



Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester -V, Paper: VIII-B

Subject Title: GEOGRAPHY OF HEALTH

COURSE CODE: ______, Credit: 04___

	Unit I - Introduction to Geography of Health	TOTAL LECTURES
1.1	Nature, scope and evolution geography of health	
1.2	Conceptual background and components geography of health	10
1.3	Significance and approaches geography of health	12
1.4	Relation of geography of health with other branches of social science	
	Unit- II -The Pollution Syndrome	
2.1	Air Pollution: Causes, Effects and remedial measures	
2.2	Water Pollution: Causes, Effects and remedial measures	12
2.3	Radioactive Pollution: Causes, Effects and remedial measures	12
2.4	Plastic Pollution: Causes, Effects and remedial measures	
	Unit III - Geography of Diseases	
3.1	Weather-related diseases and climate change and Global health	
3.2	Types of diseases and their regional pattern	12
3.3	Case studies of communicable diseases –malaria and HIV – Aids	
3.4	Case studies of non-communicable diseases – cancer and malnutrition	
	Unit IV -Health and Environment	
4.1	Linkages of health with environment	
4.2	Relation between development and health	12
4.3	Population dynamics, urbanisation, poverty and inequality	
4.4	Migration and related health issues	
	Unit V - Health Care Facilities	
5.1	Health care facilities in India	
5.2	Spatial Distribution of health care facilities in Maharashtra	13
5.3	Health care policies in India	12
5.4	Health Organisations: WHO, UNISEF, Red Cross Society and NGOs	

Q. 5	Long answer question on Unit-V	20 Marks
	OR	20 Warks
	Long answer question on unit –V for 20 Marks or	20 Marks
	Two short answer questions each 10 Marks	

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester – V, Paper: VIII-C

Subject Title: GEOGRAPHY OF DISASTER MITIGATION and

MANAGEMENT

	COURSE CODE:, Credit:04	
UNI	Γ-I, Meaning & Concept of Disaster & Hazard	No. of Lectures
1.1	Concepts of Disaster, Hazard, Vulnerability and Risks	12
1.2	Typology of hazards & Disasters- Natural Disasters & Man-made Disasters	
1.3.	Impacts of Disasters – Socio–economic and political	
1.4.	Need of Disaster Management in India	
UNIT	Γ – II, Elements of Disaster Management	
2.1.	Disaster Management : Meaning & Concept	12
2.2.	of International Organisations for Disaster Management – UNISDR,	
	INSARAG, Red Cross	
2.3	Role of National Organisations for Disaster Management	
2.4	Role of NGOs & Community in Disaster Management	ME C
	T – III, Disaster Management : Methods & Approaches	
3.1	Disaster Management : Historical Perspective	12
3.2	Disaster Management : Methods & Approaches	
3.3	Pre- Disaster Stage of Management	
3.4	Post- Disaster Stage of Management	
UNIT	The state of the s	
4.1	Earthquake & Tsunami –Causes, Effects, Management	12

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Flood – Distribution, Causes, Effects, Management	
	9/3/19
Γ −V, Anthropogenic Disaster and its Management in India	
Industrial Hazards – Causes, effects and management with reference to	12
Bhopal Gas Tragedy	
Terrorism – Causes, effects and management with reference to 26/11	
Mumbai attack	
Wild Fire - Types, Causes, effects and management with reference to	
Uttarakhand forest fire 2016	
Accidents - Causes, effects and management with reference to Savitri river	
bridge collapse accident August 2016	
	Wild Fire – Types, Causes, effects and management with reference to Uttarakhand forest fire 2016 Accidents - Causes, effects and management with reference to Savitri river

References:

- 1. Coppola, D.P. (2011): Introduction to International Disaster Management. Elesvier, Butterworth- Heinemann
- 2. Dasgupta R. (2007): Disaster Management and Rehabilitation, Mittal Publications. New Delhi
- 3. Govt. Of India: Disaster Management in India, Ministry of Home Affairs, New Delhi
- 4. Murthy, D.B.N. (2008): Disaster Management, Deep & Deep Publications Pvt. Ltd., New Delhi
- 5. Singh, Savindra and Singh, Jeetendra (2016): Disaster Management, Pravalika Publications, Allahabad
- 6. गोडबोले, मराठे: आपत्ती व्यवस्थापन संकल्पना,डायमंड पब्लिकेशन्स, पुणे.
- 7. पठारे संभाजी, अजय चाकाने: आपत्ती निराकरण, डायमंड पब्लिकेशन्स, पुणे.
- 8. मोरे जोतीराम, अर्जुन मुसमाडे: आपत्ती व्यवस्थापनाचा भूगोल, डायमंड पब्लिकेशन्स, पुणे.

University of Mumbai

Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS) T.Y.B.A. / T.Y.B.Sc. Geography, Semester – V, Paper – IX

Subject Title: GEOSPATIAL TECHNOLOGY

Course Code:

Creadit-0 3

UNIT - I	Remote Sensing – I		
1.1	Geospatial Technology: Concept, Components and Importance		
1.2	Remote Sensing: Concept, Process and Geographical Applications		
Electromagnetic Energy, EMR and EMS - Spectral Ref			
	Spectral Signature or Curve - Platforms, Sensors and Resolution		
1.4	Elements of Visual Image Interpretation - Mapping of Thematic Layers		
	and Visual Image Interpretation of Physical and Manmade Features		
	Jacob Maintage Leatures	-	
UNIT - II	Remote Sensing – II	9	
2.1	Digital image analysis: landuse and landform classification, 3D view of DEM		
2.2	Aerial Photographs: Concept, Process and Types		
2.3	Interpretation of Aerial Photographs		
2.4	Advanced Remote Sensing Technology - Use of Bhuvan website		
UNIT - III			
3.1	Global Positioning System GPS: Congert Samuel A. I.		
3.2	GPS: Concept, Segments, Applications Types of GPS: GPS Data Accounts 15		
3.3	Types of GPS – GPS Data Accuracy and Errors Factors Affecting GPS Data Accuracy and Errors		
3.4	Factors Affecting GPS Data - Global Navigation System		
3.1	Ground Survey and Demarcation of Point, Line and Polygon Features with GPS Device – Transfer GPS Data to Computer with Softwares like Easy GPS		
UNIT - IV			
4.1	Geographic Information System – I	9	
	GIS: Concept, Components and Applications - Map Projection and Coordinate System		
4.2	GIS Data Acquisition and Types		
4.3	Importing Image into GIS Software and Geo-referencing		
4.4	Creating Layers by Digitization of Point, Line and Polygon Features		
UNIT V	Geographic Information System – II		
5.1	Functions of Database Creation Input Edition 17:11	9	
5.2	Functions of Database Creation – Input, Editing and Linking Spatial Database Analysis: Overlay, Merge, Query		
	- Vierge, Query		
5.3	Using Map-Composer for Map Layout and Design		

University of Mumbai Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS) T.Y.B.A. / T.Y.B.Sc. Geography, Semester – VI Paper No. – V -A

GEOGRAPHY OF TOURISM and RECREATION

COURSE CODE:	, Credit:	04	
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	Unit-I -Introduction to Tourism Geography	TOTAL LECTURES		
1.1	Definition, Nature and Scope	BECTORES		
1.2	Trends of Tourism Development in World			
1.3	Factors of Tourism Development - Geographical components	12		
1.4	Factors of Tourism Development - Socio-cultural and political			
	Unit-II Types & Impact of Tourism			
2.1	Types of Tourism,			
2.2	New Trends in Tourism,	12		
2.3	Positive impact of Tourism on Environment, Socio-culture and Economy	12		
2.4	Negative Impact of Tourism on Environment, Socio-culture and Economy			
3.1	Unit-III - Infrastructure of Tourism and Ancillary Services Accommodation			
3.2	Transportation			
3.3	Travel Agencies and Tour Guide	12		
3.4	Documentation and Ticketing			
	Unit IV DI Com A			
4.1	Unit-IV - Planning of Tourism and Organisation			
4.1	Need of Planning and Elements of Planning			
4.3	Levels of Planning Tourism Organization LATA DATA ATT DATA	12		
4.4	Tourism Organizations - IATA, PATA, I.T.D.C. and M.T.D.C Incredible India campaign			
	Unit-V Potential Tourism Sectors in Maharashtra and Tourism Policy			
5.1	Coastal tourism in Maharashtra			
5.2	Adventure tourism in Sahyadri	12		
5.3	Heritage tourism in Maharashtra			
5.4	Tourism Policy of Maharashtra State			

• Reference Books

1. Anand M.M., Tourism & Hotel Industry in India, Prentice Hall of India, New Delhi,

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	Two short answer questions each 10 Marks	
Q. 5	Long answer question on Unit-V	20 Marks
	OR	20 Iviai KS
	Long answer question on unit –V for 20 Marks or	20 Marks
	Two short answer questions each 10 Marks	

UNIVERSITY OF MUMBAI

Syllabus for T.Y.B.A. Geography

(CBSGS with effect from Academic Year 2018-19)

SEMESTER-VI, Paper No. V -B

Subject Title: POLITICAL GEOGRAPHY

COUNT	(2)	018-19), Credit:04
nits	Name of the Unit/Subun	it x

COURSE CODE

Units	Name of the Unit/Subunit	No of Lectures
Unit -	1.: Introduction of Political Geography	
1.1	Definition, Nature and Scope of Political Geography	(12)
1.2	Historical Development and Dev	
1.3	Historical Development and Recent Trends in Political Geography Concept of state and factors	
1.4	Concept of Nation, Nation-State, and Nationalism	
Unit		3
2.1	2. : Approaches and Concepts in Political Geography	(12)
2.1	Hartshorne's Fundamental Approach: Centrifugal and Centripetal Forces	
2.2	Unified Field Theory	
2.3	Core Areas: Concept, Characteristics, and Distribution	-
2.4	Capitals: Concept, Functions, and Classification	
Unit – :	3. : Frontiers and Boundaries	
3.1	Frontiers and Boundaries: Concepts and Distinction	(12)
3.2	Functions of Frontiers and Boundaries	
3.3	Classification of Boundaries	
3.4	India's Boundaries: Characteristics and Disputes	
I In:4		
<u> </u>	1. : Geostrategic and Geopolitical Views	(12)

Page **34** of **50**

4.1	Mackinder's Heartland and Spykman's Rimland Model	E 83 8
4.2	Geopolitics of Indian Ocean	2 8 8 /3
4.3	Geopolitics of International Water Disputes with Special Reference to India	e VANOS
4.4	Changing Political Map of India	
Unit –	5. : Electoral Geography	(12)
5.1	Concept, Nature and Approaches of Electoral Geography	(12)
5.2	Geography of Voting: Geographical Factors Affecting El .:	
5.3	Spatial Organisation of Electoral Areas and Geography of Representation	
5.4	Challenges to Election System in India	
Refere	nce Books:	

- Adhikari, S. (2015): "Political Geography", Rawat Publications, Jaipur
- Adhikari, S. (2011): "Political Geography of India: A Contemporary Perspective", Sharda Pustak Bhawan, Allahabad
- Dikshit R. (1985): "Political Geography: A Contemporary Perspective" McGraw, Hill, New Delhi
- Dikshit, S. (1993): "Electoral Geography of India", Vishwavidyalaya Prakashan, Varanasi
- Dwivedi, R. (1996): "Political Geography" Chaitanya Prakshan, Allahabad
- Jones, M. (2004): "An Introduction to Political Geography: Space, Place and Politics", Routledge
- Muir, R. (1995): "Modern Political Geography", McMillan, London
- Painter, J. and Jeffrey, A. (2009): "Political Geography", Sage Publications
- Sinha, M. (2007): "Electoral Geography of India", Adhyayan Publications and Distributers, New Delhi
- घारपुरे व ल (२०१३)राजकीयभूगोल, पंपळापुरेअँडकं.,नागपूर
- लाटकर, आपटे (१९९८)राजकीयभूगोल, वद्याप्रकाशन, नागपूर
- पाटील वलास (२०१५)राजकीयभूगोल, प्रशांतपब्लिकेशन, जळगाव

University of Mumbai

Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester -VI, Paper No: VI

Subject Title: TOOLS AND TECHNIQUES IN GEOGRAPHY FOR

SPATIAL ANALYSIS-II (Practical)

COURSE	CODE:	Credit:	03
		The state of the second	

Unit -I	Nature of data and central tendency	Lecture
	1.1. Meaning and types of data, variable, observation, observation	09
	value, simple, discrete data and continuous data	ī -
	1.2. Frequency Distribution, Histogram, Frequency Polygon and	
	Ogive	
	1.3. Measures of Central Tendency- mean, median and mode	,
Unit -II	Dispersion and Deviation	
	2.1.Mean Deviation and Quartile Deviation	09
	2.2. Standard Deviation	
	2.3. Moving Averages (3 years and 5 years)	
Unit -III	Correlation, Regression & Hypothesis Testing	
	3.1. Calculation of correlation coefficient - Pearson's and Spearman's	09
	methods	0,5
	3.2. Regression analysis	
	3.3. Chi square test	
Unit-IV	Sampling	
	4.1. Sample and sample design in geography	09
	4.2. Point sampling –Systematic and random	0,5
	4.3. Line sampling – Systematic and random	
	4.4. Area sampling – Systematic and random	
Unit-V	Field work in Geography of any one place/village	09
	5.1. Collection of physiographic data – Field observation, field	
	sketching, collection of soil and rock samples, identification of vegetation etc.	
	5.2. Collection of socio-economic data – interviews, questionnaire	
	survey, visit to local governing office, NGO's etc.	
	5.3. Collection of geospatial data – toposheets, aerial photographs, Google images/maps, Bhuvan images etc.	
	To prepare a geographical report of a place with the help of an available 5.1, 5.2, and 5.3 aspects	

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester – VI, Paper – VII

Subject Title: ECONOMIC GEOGRAPHY

COURSE CODE: _____ (2018-19), Credit: __04____

Units	Name of the Unit/Subunit	No of Lectures
	Unit – 1.: Introduction of Economic Geography	(12)
1.1	Definition, Nature, Scope and Branches of Economic Geography	
1.2	Approaches of Economic Geography and Relation with other social sciences	
1.3	Concept and Operation of Economy	
1.4	Resources: Concept, Classification and Importance in Economy	
	Unit – 2. : Economic Activities	(12)
2.1	Economic Activities: Type and Characteristics	(12)
2.2	Factors Affecting Economic Activities	
2.3	Agriculture and Lumbering: Types and Distribution	
2.4	Fishing and Animal Husbandry: Types and Distribution	
	Unit – 3.: Minerals and Industries	(12)
3.1	Minerals: Importance, Characteristics and Distribution of Iron	(12)
	Ore, Manganese, Coal and Mineral Oil	
3.2	Factors Affecting Industrial Locations	
3.3	Weber's Industrial Location Theory	
3.4	Major Industrial Regions of the World	
	Unit – 4. : Transport and International Trade	(12)
4.1	Transportation: Importance and influencing factors	(12)
4.2	Major Transport Patterns in the World	
4.3	Patterns of International Trade: Composition and Direction	
4.4	Major International Trade Organisations: WTO, OPEC, SAARC, G-20 and BRICS	
5.1	Unit – 5 : Economic Development of India	(12)
5.2	Levels of Economic Development in India	
5.3	Globalisation and its impact on Indian economy Special Economic Zongs Consent and its indian	
5.4	Special Economic Zones: Concept and issues in India Environment and Economic Development and related issues	

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A./T.Y.B.Sc. Geography, Semester –VI, Paper: VIII – A

Subject Title: BIOGEOGRAPHY

	COURSE CODE:	, Credit:04
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	Unit-I: Introduction to Biogeography	TOTAL
1.1	Biogeography-Concept, definition, nature and scope	LECTURES
1.2.	Historical development and branches of Biogeography	<u> </u>
1.3.	Approaches in Biogeography	12
1.4.	Importance of Biogeographic studies	
	Unit-II: Ecosystem and Biosphere	
2.1.	Ecosystem: Concept, meaning and types	70-70-70-70-70-70-70-70-70-70-70-70-70-7
2.2.	Components of ecosystem and ecosystem productivity	12
2.3.	Blosphere: Concept, meaning and components	12
2.4.	Biogeographic processes	
	Unit -III: Plant Community	
3.1.	Concept of plant community and classification of plants	
3.2.	Biotic succession and climax vegetation	
3.3.	Major plant formation and biomes- Tropical	12
3.4.	Major plant formation and biomes- Temperate	
	Unit –IV: Marine Biogeography	
4.1.	Marine Biogeography meaning and concept	
4.2.	Types of ocean habitats	
4.3.	Biogeography of estuaries	12
4.4.	Island biogeography	
	Unit-V: Biodiversity	
5.1.	Meaning and types of Biodiversity	
5.2.	Importance of Biodiversity	
5.3.	Causes of Biodiversity loss	12
5.4	Biodiversity conservation	

	or Two short answer questions each 10 Marks	TE WARM THE JEST
0.4		
Q. 4	Long answer question on Unit-IV OR	20 Marks
	Long answer question on unit –IV for 20 Marks or Two short answer questions each 10 Marks	20 Marks
Q. 5	Long	
	Long answer question on Unit-V OR	20 Marks
	Long answer question on unit –V for 20 Marks or Two short answer questions each 10 Marks	20 Marks

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester – VI, Paper – VIII-B:

Subject Title: SOCIAL GEOGRAPHY

(2018-19), Credit: 04	COURSE CODE:	(2018-19), Credit:	04	
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1.1	Social Geography Defail and Social Geography	TOTAL LECTURES
1.2	Social Geography: Definitions, Nature, Scope and importance	
1.3	Branches and Approaches in Social Geography Concept of Social Server 15	10
1.4	Concept of Social Space and Socio-cultural Regions	12
1.7	Globalisation: The Process of Social and Spatial Change	
	UNIT – II: Elements of Social Geography -World	
2.1	Race: Concept and Basis of Classification and distribution	
2.2	Religion: Characteristics, Distribution and Spread of Major Religions in the World	
2.3	Language: Characteristics and Distribution of Major Linguistic Families in the World	12
2.4	Tribes: Concept, Characteristics and Patterns of Distribution of Major Tribes in the World	

	10 July 1530	1
	UNIT HILLER CO. ALICE	(8)
3.1	Race: Major races and its distribution in India	1811
3.2	Religion: Major Religions and its distribution and its distribution in India Language: Major Linguistic Families in India	12
3.4	Tribes: Distribution of Scheduled Tribes in India	
	UNIT - IV: Social Geography of City	
4.1	Social groups – identification and distribution	
4.2	Residential segregation	
4.3	Functional segregation	12
4.4	Social issues in the city	
	UNIT – V: Contemporary Issues in India	
5.1	Kengion related social issues	
5.2	Language related social issues	
5.3	Patterns of gender issues in India	12
5.4	Socio-economic problems of indigenous communities in India	

REFERENCES:

- Ahmad, A. (1999): "Social Geography", Rawat Publications, Jaipur
- Bannerjee-Guha, S. (2004): "Space, Society and Geography", Rawat Publications, Jaipur
- CMS (2010): "India Corruption Study 2010: Is the Scenario Changing?", CMS Research House, New Delhi, Downloaded from http://unpan1.un.org/intradoc/groups/public/documents/apcity/unpan047870.pdf
- Desai, M. (2007): "Women and the Built Environment", Zuban Publications, Delhi.
- Dutt, A., Wadhwa, V. et al (2012): "Facets of Social Geography: International and Indian Perspectives", Foundation Books, New Delhi
- Gharpure, V. (2013): "Samajik ani anskrutik Bhugol", (Marathi) Pimpalapure and Company Publishers, Nagpur
- Jyptirmoy Sen (2007): A Text Book of Social and Cultural Geography," Kalyani Publsiher, New Delhi.
- Karmarkar, D. (2012): "Fishy Spaces: Globalisation and Livelihood of Indigenous Fishermen A Case of Mumbai", LAP LAMBERT Academic Publishing, Germany
- Knowles, R and Wareing, J. (1996): "Economic and Social Geography", the Made Simple Series, Rupa& Co., Calcutta

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	or	SSP
	Two short answer questions each 10 Marks	3
		1/20/1
0.0		7 18
Q. 3	Long answer question on Unit-III	20 Marks
	OR	20 Marks
	Long answer question on unit –III for 20 Marks	(3) (3) M 1
	Or	20 Marks
	Two short answer questions each 10 Marks	
	questions each 10 ividiks	
Q. 4	Long answer question on Unit-IV	
	OR	20 Marks
1741 7	Long anguar question in Mile	
	Long answer question on unit –IV for 20 Marks	20 Marks
	Or Two short engages	
GIGT TO THE	Two short answer questions each 10 Marks	
Q. 5	The state of the s	
Q. 3	Long answer question on Unit-V	20 Marks
	OR	
	Long answer question on unit –V for 20 Marks	20 Marks
	or	20 Warks
	Two short answer questions each 10 Marks	1

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Revised Syllabus w.e.f. Academic Year, 2018-19 (CBSGS)

T.Y.B.A. / T.Y.B.Sc. Geography, Semester – VI, Paper: VIII-C

Subject Title: GEOGRAPHY OF TRANSPORT

COURSE CODE:	, Credit:	04	
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1110	Unit-I: Introduction to Transport Geography 1 Concept and Definition of Concept and Definition	
1.1	Concept and Definition of Geography of Transport	LECTURES
	Nature and Scope Geography of Transport	
1.3 D	Definition of Distance and its types, Factors affecting on Transportation	12
	Significance of the study of Geography of Transport	

	5	Halyan J.Ell				
	Unit-II – Transport net work system					
2.1	Transport net work system – structure and properties	N Wash				
2.2	Application of graph theory measures	The state of the s				
2.3	Location of routes and efficiency of network	12				
2.4	Conflicting aspects of decision making					
	Unit-III: Evolution of Modes of Transport					
3.1	Evolution of transport network and their environment					
3.2	Phases of growth and development of different modes of transport	12				
3.3	12					
3.4	and rocational responses					
	Unit-IV: Theoretical Framework of Transport					
1.1	Connectivity and its Measurement					
1.2	Accessibility and its Measurement					
.3	Taffe's model	12				
.4	Gravity model					
	Unit-V: Transportation Issues in India					
.1	Issues associated with roadways transport network					
.2	Issues associated with railways transport network	10				
.3	Issues associated with water transport development	12				
	Issues associated with air transport development					

REFERENCES:

- 1. Chorley R.J. & Haggett P. (1967): Models in Geography Methuen & Co. London.
- 2. Hagget, F and Chorley, R.J. Network Analysis', Edward Arnold, London, 1968.
- 3. Hay, A.: Transport Economy, MacMillan, London, 1973.
- 4. Hoyle, B.S.(ed.): Transport and Development, MacMillan, London, 1973.
- 5. Hurst, M.E.(ed.) (1974): Transportation Geography, McGraw-Hill.
- 6. Raza, M. and Agrawal Y.P.: Transport Geography of India, Concept. New Delhi, 1985.

Module 3: Oligopoly

(12 Lectures)

The Cournot Model - Meaning and Characteristics of Oligopoly Market - Rigid Prices - The Sweezy Model of Kinked Demand Curve - Collusive Oligopoly - Cartel: Centralised and Market Sharing Cartel - Imperfect Collusion- Price Leadership Models, Game Theory - Prisoner's Dilemma, Nash Equilibrium and Dominant Strategy Equilibrium

Module 4: Information Economics

(12 Lectures)

Economics of Search and Search Cost - The Theory of Asymmetric Information-The Market for Lemons and Adverse Selection - Risk Preference and Expected Utility - The Problem of Moral Hazard - Market Signaling - Principal-Agent Problem

References:

- 1. Jhingan MLL. (2012), Advanced Economic Theory, Vrinda Publications, Delhi.
- 2. Mankiw N. Gregory (2015), Principles of Microeconomics, Cengage Learning.
- 3. Mansfield, Edwin (1985), Micro-economics: Theory & Applications, 5th edition, W.W. Norton & Company, New York.
- 4. Patil K. A (Second edition, 2011, Marathi), Advanced Economic Theory-Micro Analysis, Shri Mangesh Prakashan, Nagpur.
- 5. Salvatore D. (2006), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- 6. Varian Hal R. (8 Edition 2010) Intermediate Microeconomics A Modern Approach, East-West Press, New Delhi

TYBA ECONOMICS (SEMESTER-V)

COURSE CODE	GROUP-I : CORE PAPER PAPER NO - VIII	CREDIT	MARKS
ECOGAD502	ECONOMICS OF GROWTH AND DEVELOPMENT	4	100

Course Objectives

This paper introduces the concepts, theories, process and policies regarding growth and development. The meaning of the development as it has evolved over the years is clarified. The contemporary as well as classical theories of growth, development, and underdevelopment are considered in detail. Theories and issues related to population, poverty, inequality and human capital are considered. Urban and rural aspects of the development process studied. Importance of technology, infrastructure and planning in development process are considered. The approach has been to cover all important areas of development economics.

Course Outcomes

- Enable students to apply and analyse issues in the development process.
- Students will be able to identify the issues related to Growth and Development
- Students will be able to understand the policy options and analyzed the Measures taken for the Development of an economy.

Module 1: Meaning of Economic Growth and Development

(12 Lectures)

Concepts of Economic Growth and Development-Distinction between Economic Growth and Development- Concept of Human Development- H.D.I, G.D.I, Green GDP- Sen's Capability approach- Millennium Development Goals (MDGs)- Initiative by Indian government towards MDGs.

Module 2: Theories of Economic Development

(12 Lectures)

Rostow's stages of growth; Big Push Theory- Leibenstein's Critical Minimum Effort Thesis - Harrod - Domar Growth Model- Lewis Model of unlimited supply of labour - Ragner Nurkse's Theory of Disguised Unemployment- Schumpeter's Theory of Development

Module 3: Structural Issues in Development Process

(12 Lectures)

Concept of Human Capital- Role of Education, Health and nutrition in Human Capital - Meaning and Measurement of Poverty and Inequality- Measures to eradicate poverty and Inequality - Meaning of Inclusive growth - SHG and Microfinance- Migration - Urbanization- Formal and Informal Sector- Urban Informal Sector

Module 4: Planning, Technology and Economic Development

(12 Lectures)

Concept and Role of infrastructure in Economic Development- Role of technology in Economic Development- Labour intensive versus Capital intensive technology- Schumacher's concepts of intermediate and appropriate technology- Green Technology- Meaning and Types of Economic Planning- Role of Planning in Economic Development

References:

- 1. Boldwin, Economic Development: Theory, History and Policy, Willy Publishers, 1957.
- 2. Mamoria, Joshi, Principles and practice of marketing in India, Kitab Mahal, 1979.
- 3. Meier, Gerald M. and James E. Rauch. Leading Issues in Economic Development, New Delhi: Oxford Univ. Press, 2006.
- 4. Thirlwall, A.P. Growth and Development 8e. New York: Palgrave MacMillan, 2005. 7
- 5. Todaro, Michael P. and Stephen C. Smith. Economic Development, 8e. Delhi: Pearson Education, 2003.
- 6. V.K. Puri and S.K. Mishra, Indian Economy, Himalaya Publishing House, 2019

TYBA ECONOMICS (SEMESTER-V)

COURSE CODE	GROUP-I : CORE PAPER PAPER NO – IX	CREDIT	MARKS
ECOIFSA503	INDIAN FINANCIAL SYSTEM – I	3	80

Course Objectives

In this semester the students get introduced with various aspects related to Indian Financial system. Indicators of financial development will be introduced and overview of financial sector reforms will be undertaken. Students will be able to understand performance, progress and issues in Indian Banking system. An overview of development of non-banking institutions in India will be undertaken. Students will also be introduced with traditional, modern and hybrid financial instruments.

References:

- 1. Bhole, L. M. (2008): Financial Institutions and Markets, Growth and Innovation, Tata McGraw-Hill, New Delhi.
- 2. Khan, M.Y. (2007): Financial Services, Tata McGraw Hill, New Delhi.
- 3. Machiraju, Indian Financial system, Vikas publishing house, 2nd edition, 2002.
- 4. Pathak, Bharati (2008): The Indian Financial System-Markets, Institutions, and Services, (2nd Edition), Pearson Education, New Delhi.
- 5. Strong, R. A. (2002): Derivatives: An introduction; Thomson Asia Pte Ltd, Bangalore.
- 6. Varshney P N and Mittal D K, Indian financial system, sultan Chand and sons, New Delhi, 2002.

TYBA ECONOMICS (SEMESTER-V)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – IX	CREDIT	MARKS
ECOACR503	ECONOMICS OF AGRICULTURE AND	-	
ECOACB503	CO-OPERATION-I	3	80

Course Objectives

This paper provides an overview of the role of agriculture in the economic development of the country and the salient features associated to agricultural productivity and agricultural labour. The pertinent aspects related to agricultural credit, agricultural marketing as well as the global problems existing in the marketing are dealt in. Students can acquire understanding about the features of agricultural policy and the agrarian crisis as well as the problems and challenges in the field of Agriculture and cooperation.

Course Outcomes

- Students will obtain information regarding various agricultural issues in India and remedies for it.
- Making awareness about self- employment through various local business like agro- tourism, travel
 agents, horticulture, floriculture, fishery and animal husbandry.

Course Outcomes

- Students can understand the basic Principles of Cooperation, Globalization and Cooperation.
- Provides information about co-operative Movement in India and its performance and role in rural development.
- Students get introduced to the problems and measures of agro industries and Cooperative farming and Leadership in cooperative development.

Module 1: Co-operation

(12 Lectures)

Meaning and features of Co-operation- Principles of Co-operation (Manchester-1995) - Role of Co-operation in Economic development - Globalization and Co-operation-Importance and Benefits of Co-operation - Co-operative Movement in foreign Countries - Consumer Cooperative Movement in U.K-Agricultural Cooperative Movement in Israel.

Module 2: Co-operative Finance in India

(12 Lectures)

Co-Operative Finance: Need, Structure. Progress and Problems - National Co-operative Development Corporation (NCDC) - Farmers service societies - Urban Co-operative banks,

Module 3: Agricultural Co-operatives

(12 Lectures)

Role and Types of Agro-Industries - Problems and Measures of Agro-Industries - Sugar and Dairy Co-operatives - Food and Fruits Processing Industry - Co-Operative Farming.

Module 4: Co-operative Organizations in India

(12 Lectures)

Consumer Co-operatives - Co-operative Marketing - NAFED - Housing Co-operative societies Labour Co-operative societies - Leadership in Cooperative development - Concept of Co-Operatives Audit.

References:

- Bedi R. D. (2001), Theory, History and Practice of Co-Operation, International Publishing House, Meerut (U.P.).
- 2. Government of Maharashtra Co-operative movement at a Glance (latest annual report).

Rural Livelihoods: Deendayal Antyodaya Yojana - National Rural Livelihoods Mission (DAY-NRLM), National Social Assistance Programme (NSAP), Microfinance and Self-help Group.

References:

- 1. Thomas William and A.J. Christopher (2011), Rural Development: Concept and Recent Approaches, Rawat Publication, Jaipur.
- 2. Annual Report 2019-20, 2018-19 & State performance report-2018-19 and Action plan 2019-20, Volume-I, Ministry of Rural Development, Department of Animal Husbandary & Dairying, Government of India, New Delhi.
- 3. Datt & Sundharam (2012), Indian Economy, S. Chand & Company LTD. Mumbai.
- 4. Desai Vasant (2012), Rural Development in India, Himalaya Publishing House, Mumbai.
- 5. Dr. I. Satya Sundaram (2002), Rural Development, Himalaya Publishing House, Mumbai. Page No. 3 to 24
- 6. Eleventh Five Year Plan 2007-12, Planning Commission, Government of India, New Delhi.

TYBA ECONOMICS (SEMESTER-VI)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – XVII	CREDIT	MARKS
ECOEEA605	ENVIRONMENTAL ECONOMICS - II	4	100

Course Objectives

This paper introduces vital aspects related to environmental degradation and advocates the need for environmental accounting. The paper also focuses on the attainment of SDGs

Course Outcomes

- Students are empowered about the environmental challenges and the need for environmental accounting
- Develop understanding on the policy measures to attain SDGs

Module1: Environmental Degradation

Concept and types of Environmental Degradation; Renewable and Non-renewable natural resources: Land, Air, Water and Noise Pollution: Causes, effects and measures.

Module 2: Environmental Accounting

(12 Lectures)

(12 Lectures)

Accounting for environmental and natural resources: Meaning and importance; System of Environmental-Economic Accounting (SEEA) and Environmental and Natural Resources Accounting (ENRA); Integration of Environmental Accounts with System of National Accounts: Green GDP; Concept of Green Growth and its Indicators; Concepts of Green Consumer and Green Business.

Module 3: Sustainable Development and India

(12 Lectures)

Concept of Sustainable Development; Characteristics and dimensions of Sustainable Development; Sustainable Development Goals and Measures with special reference to India; Smart Cities Mission in India; National Mission For Sustainable Agriculture (NMSA): Objectives, strategy and components.

Module 4: Environmental Policy in India

(12 Lectures)

Overview of laws to improve the environment in India; Central pollution Control Board; Industrial Pollution Control Measures in India; Pradhan Mantri Ujjwala Yojana (PMUY); National Green Tribunal.; Environmental Education in India.

References:

- 1. Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017.
- 2. Bhattacharya R.N. (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
- 3. Charles Kolstad: Environmental Economics, Oxford University Press, New York, 2000.
- 4. Hanley Nick, Shogren Jason and White Ben: Introduction to Environmental Economics, Oxford University Press, 2001.
- 5. Kaltschmitt, Martin, Streicher, Wolfgang, Wiese, Andreas, Renewable Energy: Technology, Economics and Environment, Springer, Germany, 2007.
- 6. V.S. Ganesamurthy: Environmental Economics in India, New Century Publications, New Delhi, 2009.

- Issues, Dr. Ambedkar Institute of Social and Economic Change, Mumbai.
- 4. Pansare Govind (2012): Maharashtrachi Arthik Pahani Paryayi Drushtikon (Marathi), Shramik Pratishthan, Red Plug Bldg., Bindu Chowk, Kolhapur, Page No. 159 to 195.
- 5. Patil J. F. (2010): Suvarna Mahotsavi Maharashtrachi Badalati Arthvyavastha yio)) (Marathi), Abhijit Pratap Pawar, Sakal Papers Ltd., 595, Budhwar Peth, Pune-411002.
- 6. World Bank (2002) India: Maharashtra Reorienting Govt. to Facilitate Growth and Reduce Poverty.

TYBA ECONOMICS (SEMESTER-VI)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – XVIII	CREDIT	MARKS
ЕСОНЕТВ606	HISTORY OF ECONOMIC THOUGHT-II	3	80

Course Objectives

This paper aims to provide the information about the biography and contribution of various economic thinkers. This paper is framed with the objective of making students aware of the varying phases of economic thoughts and development of that into economic science.

Course Outcome

- Students will get information about the genesis of Economics and its modern scenario.
- Students get familiarized with the leading Indian economists who significantly contributed to the stream of Indian economic thought.

Module 1: Indian Economic Thought

(12 Lectures)

Kautilya on welfare state -Dadabhai Naoroji's Thoughts on Drain Theory- Ranade's Case on Protection - R. C. Dutt on Imperialism - Land Tax and Public Finance - Gopal Ganesh Agarkar.

Module 2: Economic Thought of Mahatma Phule and Gandhi

(12 Lectures)

Mahatma Phule's Views on Agriculture - Reasons of Farmer's Poverty - Gandhian Economic Thoughts on Self-Sufficient Village Economy - Dignity of Labour - Trusteeship - and Sarvodaya.

Module 3: Economic Thought of Dr. B.R.Ambedkar, G.K.Gokhale and Dr. Manmohan Singh
(12 Lectures)

Dr.Ambedkar's Case for State Socialism - Problem of Rupee - Public Finance - G.K.Gokhale on Development and Welfare - Dr. Manmohan Singh's 'Three Steps' to Stem India's Economic Crisis.

Module 4: Nodel Prize Winners in Economics

(12 Lectures)

Dr. Amartya Sen (1998) -Robert. A. Mundell (1999) -Joseph Stiglitz(2001) -Dr. Abhijeet Banarjee (2019)

References:

- 1. B.R.Nanda Gokhale (1977):- The indian moderates and the British raj, Delhi.
- 2. Ajit K.Dasgupta, A History of Indian Economic Thought, (1993) Routledge London and New York.
- 3. Bipin Chandra (ed) (1999) Rande's economic writings, Gyan Publication House, New Delhi.
- 4. Encyclopaedia of Nobel Laureate, Ed's, (2002) R. Kapila & A. Kapila, Academic Foundation.
- 5. Gandhi. M. K., (1959), India of my dreams, Navjivan publishing house Ahmadabad.
- 6. R. P. Mansi, Dadabhai Naoroji, (1960) publication Division, Government of India Delhi.

TYBA ECONOMICS (SEMESTER-VI)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO –XVIII	CREDIT	MARKS
ECOIBFC606	INTERNATIONAL BANKING AND FINANCE- II	3	80

SEMESTER -V



Core Course V- History of Modern Maharashtra (1818 CE-1960 CE)

Objectives:

- 1. To acquaint students with regional history.
- 2. To understand political and socio-economic developments during the 19th and 20th centuries.
- 3. To create understanding of the movement that led to the formation of Maharashtra.

Module I: Beginning of the British Rule

- (a) Socio-Economic conditions of Maharashtra in 19th Century
- (b) Administration and Judiciary
- (c) Tribal and Peasant Uprisings

Module II: Socio- Economic Awakening

- (a) Mahatma Jotirao Phule Satya Shodhak Samaj and Universal Humanism
- (b) Prarthana Samaj
- (c) Contribution of thinkers of Maharashtra to Economic Nationalism

Module III: Political Developments in Maharashtra (1885-1960)

- (a) Moderates, Extremists and Revolutionaries in Maharashtra
- (b) Response to Gandhian Movements in Maharashtra
- (c) Samyukta Maharashtra Movement

Module IV: Emergence of New Forces

- (a) Contribution of Reformers in Education
- (b) Contribution of Reformers towards Emancipation of Women
- (c) Contribution of Reformers towards Upliftment of Depressed Classes: V. R. Shinde, Rajarshi Shahu Maharaj and Dr. B.R. Ambedkar

SEMESTER -V

Core Course VIII: History of Contemporary World (1945 CE - 2000 CE

Objectives:

- 1. To trace some of the major events of post-World War II period.
- 2. To understand the significance of these events.
- 3. To comprehend the ways in which events of the latter half of the twentieth century have influenced the present.

Module I: Cold War (1945-1985)

- (a) Meaning, Causes of Cold War and Security Pacts
- (b) Conflicts in Cold War: Germany, Korea and Cuba
- (c) Economic Revival of Western Europe; Soviet Union's Relations with Eastern Europe

Module II: Europe, U.S.S.R and U.S.A. (1985-2000)

- (a) Disintegration of U.S.S.R
- (b) Re-drawing of political borders of Germany, Yugoslavia and Czechoslovakia; Emergence of the European Union (EU) in Western Europe
- (c) U.S.A as the dominant world power

Module III: Movements for Equal Rights and Challenging the Bipolar World (1945-2000)

- (a) Campaigns within and outside South Africa against Apartheid
- (b) Civil Rights Movement in U.S.A
- (c) Non-Aligned Movement

Module IV: Major Trends

- (a) Globalisation
- (b) Sustainable Development
- (c) Women's Liberation Movement





Elective Course IX B - Introduction to Heritage Tourism

Objectives:

- 1. To develop an understanding of Heritage Tourism amongst students.
- 2. To introduce the students to new trends in Heritage Tourism.
- 3. To prepare the students for careers in Tourism industry.

Module I -Understanding Heritage Tourism

- (a) Meaning and Historical Perspective of Tourism
- (b) Concept, Scope and Significance of Heritage Tourism
- (c) National Policies to promote Heritage Tourism and World Heritage Sites in India

Module II - Forms of Heritage Tourism in India

- (a) Natural: Beaches and Sanctuaries
- (b) Built Heritage: Forts, Monuments and Public Buildings
- (c) Cultural: Pilgrimage Sites, Fairs and Festivals

Module III - New Trends in Heritage Tourism

- (a) Entertainment: Performing Arts and Cinema
- (b) Eco-tourism and Adventure Tourism
- (c) Public Private Partnership in Heritage Tourism

Module IV - Heritage Management

- (a) Heritage Legislation
- (b) Role of Tourism Industry
- (c) Role of Museums and Heritage Conservation Societies



Elective Course VI B - Media and Communication

Objectives:

- 1. To acquaint students with the various types of Media and Communication.
- 2. To inform students of the developments in Information Technology.
- 3. To understand the impact of Media on Society.

Module I: Radio and Television

- (a) Radio History and Current Trends
- (b) Television History and Current Trends
- (c) Careers in Radio and Television

Module II: Advertising and Public Relations

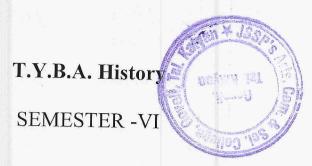
- (a) Definition, Functions and Responsibilities of Public Relations Officer
- (b) Advertising Definitions and Types
- (c) Careers and Opportunities in Advertising and Public Relations

Module III: Revolution in Information Technology

- (a) Social Media
- (b) Electronic Gadgets Uses and Misuses
- (c) Cyber Crimes and Cyber Laws

Module IV: Impact of Media

- (a) Impact on Society Children, Women, Youth
- (b) Challenges Privatization, Global Competition, Moral Issues, Public Censorship
- (c) Media and Global Issues Human Rights, Environment



Elective Course IX A - Research Methodology and Sources of History

Objectives:

- 1. To teach students basics of research methodology in history with a view to promote historical research.
- 2. To understand the various kinds of sources of history and its interpretation.
- 3. To acquaint students with the new trends and approaches in history writing.

Madule I: Historical Research: Methods and Presentation

- (a) Steps in Historical Research
- (b) Methods of Critical Enquiry
- (c) Presentation of Historical Research

Madule II: New Trends in History

- (a) Local History
- (b) Oral History
- (c) Digital and E-Sources

Madule III: Approaches to History

- (a) Subaltern
- (b) Feminist
- (c) Post-Modern

Madule IV: Indian Historiography

- (a) Imperialist
- (b) Nationalist
- (c) Marxist

SEMESTER -VI



Elective Course IX B - Heritage Tourism in Maharashtra

Objectives:

- 1. To introduce students to the Cultural Heritage of Maharashtra
- 2. To understand various resources of Heritage Tourism in Maharashtra
- 3. To acquaint the students with the relevance and scope of Heritage Tourism

Module I: Understanding Heritage Tourism of Maharashtra

- (a) Government Policies and Role of Government Agencies
- (b) Heritage Sites and Precincts
- (c) Careers in Heritage Tourism

Module II: Natural Heritage

- (a) Biodiversity of Sahyadri Range
- (b) National Parks
- (c) Beaches and Hill Stations

Module III: Architectural Heritage

- (a) Caves
- (b) Forts
- (c) Monuments and Public Buildings

Module IV: Cultural Heritage

- (a) Pilgrimage Sites
- (b) Fairs and Festivals
- (c) Folk and Tribal Culture

Module 1: Agricultural Productivity

(12 Lectures)

Role of agriculture in Economic Development - Cropping pattern in India, Recent trends, Factors affecting - cropping pattern - Physical, Technical and Economic - Agricultural Productivity, Causes of Low Productivity in Agriculture - Measures taken to improve the Agricultural Productivity in India - Irrigation and Water Management and agricultural development - Agricultural labour Problems and suggestions.

Module 2: Agricultural Credit

(12 Lectures)

Institutional and Non-Institutional Sources of Credit Co-operative Credit and Agriculture Rural Indebtedness - Commercial Banks and Regional Rural Banks - Microfinance and NABARD - Role and Performance - Crop loan and Crop Insurance, Kisan Credit card Yojana.

Module 3: Agricultural Marketing

(12 Lectures)

Types of Marketing - Corporate, Commodity and Global Problems and Measures of Agricultural Marketing - Regulated Market - WTO and Indian Agriculture - Problems of Agricultural Marketing and its measures - National Agricultural Market - FPO – Farmers Producer Organizations

Module 4: Agricultural Price and Policy

(12 Lectures)

Food Security in India - Price Policy of CACP Evaluation - Agricultural Crisis and Farmers Suicide - Agro-Tourism and its policy - Organic Farming - Mechanization of Agriculture

References:

- 1. Bilgrami S.A.R. (2000), An Introduction of agricultural Economics, Himalaya Publishing House, Mumbai
- 2. Datta Ruddra and Mahajan Ashwini (2016), Indian Economy, Chand and Company Ltd., New Delhi.
- 3. Gupta P. K., (2012), Agricultural Economics, Vrinda Publications (P) Ltd. Delhi.
- 4. Mamoria C.B. and B.B. Tripalhi (1991), Agricultural Problems in India, Kitab Mahal, Allahabad.
- 5. Sadhu and Singh (2008), Fundamental of Agricultural Economics, Himalaya Publishing House, Mumbai.
- 6. Tyagi B.P., (2016), Agricultural Economics and Rural Development, Jaiprakash Nath and Co. Meerut.

TYBA ECONOMICS (SEMESTER-V)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – IX	CREDIT	MARKS
ECOILC503	INDUSTRIAL AND LABOUR ECONOMICS-I	3	80

Course Objectives

There has been a paradigm shift in the structure of the Indian industrial sector and the policies governing it ever since the new era of globalization and liberalization has ushered in. This paper intends to equip the students with the knowledge about the fundamentals of Industrial Economics and also the latest policies relating to the Indian industry.

Course Outcomes

- Learners will study the different contemporary issues of industrial sector.
- Learners will know the problems of industries.
- Learners will get the idea about productivity.
- Learners will get with new Policies and its impact on industries.

Module 1: Introduction

(12 Lectures)

Meaning and Scope of Industrial Economics- Industrial Profile- Private sector- Performance and Problems - Cooperatives sector and its role, merits and demerits- Public Sector - Role - Performance and Problems -Role of agriculture in Industrial development, Industrial Combinations - Motives for Mergers and Acquisitions.

Module 2: Industrial Location and Problem of Regional Imbalance

(12 Lectures)

Determinants of Industrial Location, Theories of Industrial Location - Weber's and Sargent Florence's Theories, Dispersal and Decentralization of Industries, Problem of Regional Imbalance.

Module 3: Industrial Productivity and Industrial Sickness

(12 Lectures)

Concept and Measurement of Industrial Productivity- Factors Affecting Industrial Productivity-Industrial Sickness - Causes, Effects and Remedial Measures - Rationalisation - Concept, Aspects and Impact.

Module 4: Industrial Development in India

(12 Lectures)

New Industrial Policy, 1991; Disinvestment Policy; Small Scale Industries and Rural Industrialization; National Manufacturing Policy, 2011 - Recent Trends in India's Industrial Growth- Role of MNCs in the Indian Economy - Merits and Demerits, Industrial Finance in India.

References:

- 1. Barthwal R.R. (2007), Industrial Economics, New Age International Publishers, New Delhi.
- 2. D. Agrawal A.N. (2011), Indian Economy, New Age International Publishers, New Delhi.
- 3. Datt R. and Sundaram K.P.M. (2009), Indian Economy, S.Chand & Co., New Delhi.
- 4. Kuchhal S.C. (1980), Industrial Economy of India, Chaitanya Publishing House, Allahabad.
- 5. Mishra S.K. and Puri V.K.(2008), Indian Economy, Himalaya Publishing House, Mumbai.
- 6. Ranjana Seth, Industrial Economics (2010), Ane Books Pvt. Ltd., New Delhi.

TYBA ECONOMICS (SEMESTER-V)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – X	CREDIT	MARKS
ECORMA504	RESEARCH METHODOLOGY - I	4	100

Course Objectives

This paper contains within the various objectives, such as to understand and make aware as well as inculcate research in Economics amongst the learners, to encourage exchange of ideas and application of results of economic research at the same time to enable students in understanding data collection and presentation for quality research in social sciences.

TYBA ECONOMICS (SEMESTER-V)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – XI	CREDIT	MARKS
ECOEEA505	ENVIRONMENTAL ECONOMICS - I	4	100

Course Objectives

This course introduces the learner to the basic concepts, economic instruments and policy options in managing the environment. The impact of development on environment is suitably addressed under the rubric of sustainable development. Economic implications of environmental policy and valuation of environmental quality are important areas of concern to be covered. The students are sensitized to the role of human decisions in affecting the environmental quality and managing global environmental issues. The causes, effects and measures to control different types of pollution are impressed upon. The environmental accounting practices, policies, impact and risk analysis focusses on India.

Course Outcomes

- On the completion of this course, the student will have a good understanding of contemporary environmental issues and their relation to economic development.
- The learner will be equipped to understand the methodologies and tools of valuing the environment.
- In the light of international environmental agreements, the learners will be able to understand the global approaches and policies adopted by India to deal with the environmental issues.

Module1: Introduction to Environmental Economics

(12 Lectures)

Environmental Economics: Nature, Significance and Scope; Environment and the economy; Environmental Kuznets Curve; Common resources, externalities and property rights; Coase Theorem; Rio Declaration and Agenda 21 programme of action for sustainable development.

Module 2: The Design and Implementation of Environmental Policy

(12 Lectures)

Criteria for evaluating environmental policies; Tools of Environmental Policy: Standards, Pigovian taxes/effluent fees, quotas/tradable permits; Choice between taxes and quotas; Environmental Policy: Regulation and Implementation.

Module 3: Measuring Benefits of Environmental Improvements

(12 Lectures)

Economic value of Environment: Use and Non-use values; Measurement methods of environmental value: Market based and Non-market based methods; Contingent Valuation Method; Travel Cost Method; Hedonic Price Method.

Module 4: Global Environmental Issues

(12 Lectures)

Trade and environment-Overview of trans-boundary environmental problems-Global Warming - Climate Change - Energy Crisis - Challenges of urbanization - International environmental agreements.

References:

- 1. Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017.
- Bennear, Lori Snyder, and Cary Coglianese (2004), Evaluating Environmental Policies, KSG Faculty Research Working Paper Series RWP04-049,USA
- 3. Charles Kolstad: Environmental Economics, Oxford University Press, New York, 2000.
- 4. Hanley Nick, Shogren Jason and White Ben: Introduction to Environmental Economics, Oxford University Press, 2001.
- 5. Mickwitz, Per. (2003). A Framework for Evaluating Environmental Policy Instruments Context and Key Concepts. Evaluation.
- 6. Smith Stephen: Environmental Economics: A very Short Introduction, 1st Edition, Oxford University Press, New York, 2011.

Module 4: Financial Services in India

Insurance: meaning, types, evolution and growth, E-portal for insurance policies, IRDA and PFRDA-Mutual Funds: meaning, composition, advantages, types of schemes-Evolution & growth, AMFI-Merchant banking: Evolution & growth, scope and recent developments in India - Credit rating: meaning, role and significance, agencies- depository services.

(12 Lectures)

References:

- 1. Bhole, L. M. (2008): Financial Institutions and Markets, Growth and Innovation, Tata McGraw-Hill, New Delhi.
- 2. Khan, M.Y. (2007): Financial Services, Tata McGraw Hill, New Delhi.
- 3. M.Y. Khan, Indian Financial System
- 4. Pathak, Bharati (2008): The Indian Financial System –Markets, Institutions, and Services, (2nd Edition), Pearson Education, New Delhi.
- 5. Rajesh Kothari, Financial Services in India: Concept and Application
- 6. Vasant Desai, Indian Financial system.

TYBA ECONOMICS (SEMESTER-VI)

COURSE CODE	GROUP-II : ELECTIVE PAPER PAPER NO – XV	CREDIT	MARKS
ECOACB603	ECONOMICS OF AGRICULTURE AND CO-OPERATION-II	3	80

Course Objectives

The paper is designed to provide various aspects related to the Principles of cooperation and cooperative organizations in the globalized economy. The essentials of cooperative finance are dealt in with reference to the latest trends. The cooperative movement has a long history of more than hundred years. Indian Cooperatives Structure is one of the largest networks in the world. Under this backdrop the student should study the principles and role of cooperation in the modern era.

Revised Syllabus of Courses of B.Com. Programme at Semester II with Effect from the Academic Year 2016-2017

Ability Enhancement Courses (AEC)

4. Environmental Studies II

Modules at a Glance



Sr. No.	Modules	No. of Lectures
1	Solid Waste Management for Sustainable Society	Lectures
2	Agriculture and Industrial Development	-
3	Tourism and Environment	
4	Environmental Movements and Management	
5	Map Filling	
	Total	60

Sr. No	. Modules / Units
1	Solid Waste Management for Sustainable Society
	Classification of solid wastes – Types and Sources of Solid Waste; Effects of Solid Waste Pollution- Health hazards, Environmental Impacts; Solid Waste Management – solid waste management in Mumbai- Schemes and initiatives ruby MCGM – role of citizens in waste management in Mumbai
2	Agriculture and Industrial Development
	Environmental Problems Associated with Agriculture: Loss of Productivity, Lar Degradation ,desertification - Uneven Food Production - Hunger, Malnutritic and Food Security - Sustainable Agricultural practices Environmental Problems Associated with Industries - pollution -Global warming Ozone Layer Depletion , Acid rain, - Sustainable Industrial practices - Gree Business and Green Consumerism, Corporate Social Responsibility
3	Tourism and Environment
	Tourism: Meaning, Nature, Scope and importance –Typology of tourism classification; Tourism potentials in India and challenges before India; New Tourism Policy of India; Consequences of tourism: Positive and Negative Impacts on Economy, Culture and environment-
4	Environmental Movements and Management
	Environmental movements in India: Save Narmada Movement, Chipko Movement, Appiko Movement, Save Western Ghat and Save Jaitapur; Environmental Management: Concept, need and relevance; Concept of ISO 14000 and 16000; Concept of Carbon Bank and Carbon Credit.EIA - Environment Protection Acts — Concept and components of Geospatial Technology-Applications of GST in Environmental Management.
5	Map Filling
	Map filling of Konkan and Mumbai (Environmentally significant features and GST centers) using point, line and polygon segment. Concept and Calculation of Environmental Performance Index (EPI)

Revised Syllabus of Courses of B.Com. Programme at Semester II with Effect from the Academic Year 2016-2017

Skill Enhancement Courses (SEC)

6. Foundation Course - II

Modules at a Glance



Sr. No.	Modules	No. of Lectures
1	Globalisation and Indian Society	07
2	Human Rights	10
3	Ecology	10
4	Understanding Stress and Conflict	10
5	Managing Stress and Conflict in Contemporary Society	08
	Total	45

Sr. No	3.61. College
1	Iviodules / Units
_	Disaster Management, Social Awareness and Community Development
	Disaster Management: Desired outcome: The student shall gain basic information about civil defence organisation / NDMA & shall provide assistance to civil administration in various types of emergencies during natural / manmade disasters
	 Civil Defence Organisation and Its Duties/ NDMA Types of Emergencies/ Natural Disaster
i.	Assistance during Natural / Other Calamities: Flood / Cyclone/ Earth Quake/ Accident etc. (Avan' model of Nace)
	'Avan' model of NCC Social Avance
	Social Awareness and Community Development:
	Desired outcome: The student shall have an understanding about social service and its need, about NGOs and shall participate in community action programmes for betterment of the community.
	 Basics of Social Service, Weaker Sections of Our Society and Their Needs Social/ Rural Development Project: MNREGA, SGSY, NSAP etc.
	 Contribution of Youth towards Social Welfare Civic Responsibilities
	Causes & Prevention of HIV/AIDS; Role of Youth
2	Health and Hygiene
	Desired outcome: The student shall be fully aware about personal health and
-	Tryglene lead a healthy life style and foster habits of restraint and solf awareness
-	Structure and Functioning of the Human Body
=	 Hygiene and Sanitation (Personal and Food Hygiene)
3	• Infectious & Contagious Diseases & Their Prevention
3	Drill with Arms
	Desired outcome: The students will demonstrate the sense of discipline, improve
	bearing, smartness, turnout, develop the quality of immediate and implicit obedience of orders, with good reflexes.
-	Attention, Stand at Ease and Stand Easy
	Getting on Parade with Rifle and Dressing at the Order
1	Dismissing and Falling Out
	Ground / Take Up Arms
-	Present From the Order and Vice-versa
	General Salute, Salami Shastra
	Weapon Training
	Desired outcome: The student shall have basic knowledge of weapons and their
	ase and nandling.
	Characteristics of a Rifle / Rifle Ammunition and its Fire Power
	Stripping, Assembling, Care and Cleaning and Sight Setting of .22 rifle
	Stripping, Assembling, Care and Cleaning of 7.62mm SLR
	Loading, Cocking and Unloading The lying position, Holding and Airming Loading
	The lying position, Holding and Aiming- I Trigger control and firing a shot
•	Range procedure and safety precautions
•	Short range firing, Aiming- II -Alteration of sight
	Faculty of Covers and M.

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Revised Syllabus of Courses of B.Com. Programme at Semester II with Effect from the Academic Year 2016-2017

Skill Enhancement Courses (SEC)

6. Foundation Course in Physical Education-II

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Development of Fitness	10
2	Health, Fitness and Diseases	15
3	Yoga Education	10
4	Daily Schedule of Achieving Quality of Life and Wellness	10
	Total	60

Sr. No.	Modules / Units
1	Development of Fitness
	 Benefits of physical fitness and exercise and principles of physical fitness Calculation of fitness index level 1-4
	 Waist-hip ratio Target Heart Rate, BMI and types and principles of exercis (FITT)
	Methods of training – continues, Interval, circuit, Fartlek and Plyometric
2	Health, Fitness and Diseases
	Definition of obesity and its management
	Communicable diseases, their preventive and therapeutic aspectS
	 Factors responsible for communicable diseases
	 Preventive and therapeutic aspect of Communicable and non-communicable diseases
3	Yoga Education
	Meaning and history of yoga
	 Ashtang yoga and types of yoga
	 Types of Suryanamaskar and Technique of Pranayam
	Benefits of Yoga
4	Daily Schedule of Achieving Quality of Life and Wellness
	 Daily schedule based upon one's attitude, gender, age &occupation.
	Basic – module: - Time split for rest, sleep, diet, activity & recreation.
	Principles to achieve quality of life: positive attitude, daily regular exercise,