

SHIVAJI UNIVERSITY, KOLHAPUR



Syllabus for the Entrance Examination for Admission to the M. A. Course

(In force from the Examination to be held in
June/July, 2000 and onwards.)

Price: Rs. 25/-

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M. A. Entrance Examination

Admission Rules

Eligibility : Any graduate of any faculty (Other than B. A.) of this University or its equivalent

Conditions

1. The Entrance Examination will be held by the University at **Kolhapur Centre only**. The eligible candidates shall have to apply for the Entrance Examination before the **dates prescribed**.
2. The Entrance Examination will be held in the month of **May/June**.
3. The application form shall have to be submitted directly to the University alongwith the examination fee Rs. 300/-.
4. The question-paper for each subject will carry 100 marks and will be of 3 hours duration.
5. Candidates securing not less than 45% of marks in the Entrance Examination will be held eligible to take admission to the M. A. course in the subject.
6. A candidate, intending to appear for the M. A. examination Through Distance Education after passing the Entrance Examination, shall have to register his/her name with the University before the prescribed dates.
7.
 - i) A candidate, passing the Entrance Examination in a subject, shall be allowed only to offer the same subject at his/her M. A. Examination.
 - ii) If a candidate is desirous to appear for the M. A. examination with change in subject he/she is required to pass the M. A. Entrance Examination in that particular subject again and then only he/she can avail of the facility of Regulation M. A. 6.
 - iii) A candidate shall have to offer only one subject for the Entrance Examination.

8. A candidate will have to give option of answering questions in any of the subjects other than Languages, either in Marathi or in English.
9. A candidate, who desires to appear for M. A. examination Through distance mode after passing the Entrance Examination, is required to satisfy the rules and conditions laid down for Distance Education registration.
10. A candidate, who desires to appear for the M. A. Distace Education, examination shall have to select only those subjects for which teaching is provided to the regular students of this university and for which practical work is not required.
11. A candidate, who has passed B. Com. examination, need not give the Entrance Examination for admission to M. A. Economics subject only.
12. A candidate has to abide by these conditions as well as the instructions given in the enclosed prescribed from.

(3)

M. A. English (Entrance Examination)

NEW SYLLABUS

Total Marks- 100

Unit No.1 Reading Comprehension

1. Prose
2. Poetry

Unit No. 2 A Study of major literary forms

1. The Novel
2. The Drama
3. The Poetry

Unit No. 3 Essay Writing

1. Informative
2. Imaginative
3. Reflective
4. Analytical

Unit No. 4 Grammar

1. The Study of articles, and tenses
2. Use of prepositions
3. The Study of tenses
4. Active voice Passive voice
5. Remove 'too'
6. The Study of interrogative, assertive, negative, sentences
7. As soon as.....No sooner than
8. The Study of Degree
9. The Study of subordinate conjunction

Pattern of Question Paper

Total Marks- 100

Q.1	A	Comperhension of a prose Passage with the help of questions testing the literacy aptitude of students	15 Marks
	B	Comprehension of a piece of poetry	15 Marks
Q.2		A study of major literary forms	30 Marks
	1	The Novel	
	2	The Drama	
	3	The Poetry	
		(2/3 essay type questions will be set)	
Q.3		An essay in about 500 words on any one of the followings topics	20 Marks
Q.4	A	Use of articles, prepositions and tenses (Fill in the blank type of items)	10 Marks
	B	Do as directed	
	1	Change the voice	
	2	Remove 'too'	
	3	Make interrogative	
	4	As soon as.....No sooner than	
	5	Exclamation	
	6	Change the degree.	
	7	Assertive	
	8	Negation	
	9	Affirmation	
	10	Use of subordinate/coordinate conjunctions	

Recommended Books

- 1 R. J. Rees, English Literature An Introduction for Foreign Readers- Mcmilan
- 2 K. R. Shrinivas lyengar & Prema Nandumar
Introdution to the Study of English Literature
- 3 Thomson & Martinet, A Practical English Grammar, (E. L. B. S.)
- 4 B. Prasad, A Background to the study of English Literature
- 5 V. S. Seturaman, C. T. Indra & T. Shriraman Ced Practical Criticism

Note :- Minimum 40% marks are required for passing

२. मराठी

१. निबंधलेखन गुण ३०
विविध पाच विषयावर निबंध विचारले जातील त्यापैकी एक विषय वाङ्मयीन स्वरूपाचा असेल, विचारलेल्या विषयापैकी एका विषयावर निबंध लेखन करणेचे आहे.
२. मराठी वाङ्मयाच्या इतिहासाची स्थूल रूपरेखा पुढील साहित्यिकांच्या आधारे
अ) प्राचीन गुण २०
१) ज्ञानेश्वर, २) नामदेव, ३) एकनाथ, ४) तुकाराम, ५) रामदास
ब) अर्वाचीन गुण २०
१) कादंबरी : १) बाबा पद्मनजी, २) मो. ग. रांगणेकर, ३) कुसुमावती देशपांडे
२) नाटक : १) किल्लोस्कर, २) मो. ग. रांगणेकर, ३) विजय तेंडूलकर
३) कथा : १) गंगाधर गाडगीळ, २) शंकर पाटील, ३) द. मा. मिरासदार
४) काव्य : १) बालकवी, २) भा. रा. तांबे, ३) नारायण सुर्वे
(वरील अ व ब या विभागावर प्रत्येकी २० गुणांचे दोन प्रश्न अंतर्गत विकल्पासह विचारले जातील०)
३. कथा, कादंबरी, नाटक अथवा काव्य या वाङ्मयप्रकारापैकी एका वाङ्मयप्रकारातील संग्रह । संपादन अशा स्वरूपाचे पाठ्यपुस्तक नेमण्यात यावे व त्यावर प्रत्येकी १५ गुणांचे दोन प्रश्न अंतर्गत विकल्पासह विचारले जातील. ३०
(गुण १५ अधिक १५)
नेमलेले पाठ्यपुस्तक - रसयात्रा-कुसुमाग्रज, संपा, बोरकर, वैठ्य संदर्भग्रंथ
१) पाच संत कवी - शं. गो. तुळपुळे
२) प्राचीन मराठी वाङ्मयाचे स्वरूप - ह. श्री. शेणोलीकर

- ३) प्राचीन मराठी वाङ्मयाचा इतिहास - ल. रा. नसिराबादकर
- ४) मराठी वाङ्मयाचा विवेचक इतिहास खंड १ व २ - प्र.न.जोशी
- ५) आधुनिक मराठी वाङ्मयाचा इतिहास - भाग १ व २ अ. ना. देशपांडे
- ६) प्रदक्षिणा-कॉन्टिनेन्टल प्रकाशन.

३. हिंदी

१. निबंधलेखन : हिंदी भाषा तथा साहित्यसे संबंधित पांच विषयोंमेंसे एक विषयपर निबंध लेखन ।
२. हिन्दी साहित्य के इतिहास का सामान्य परिचय : निम्नलिखित साहित्यकारों के आधारपर ।
 अ) प्राचीन कवि
 १) कबीर २) सूरदास ३) तुलसीदास ४) मीराबाई ५) बिहारी ६) भूषण
 ब) आधुनिक कवि
 १) जयशंकर प्रसाद २) सुमित्रानंद पंत ३) सुर्यकांत त्रिपाठी निराला
 ४) महादेवी वर्मा ५) हरिवंशराय बच्चन ६) रामधारीसिंह दिनकर
 नाटककार - १) प्रेमचंद २) यशपाल ३) कमलेश्वर ४) राजेंद्र यादव
३. पाठ्यपुस्तक : उपन्यास, कहानी, नाटक अथवा कविता इन विधाओंमेंसे किसी एक विधाकी पाठ्यपुस्तक नियुक्त की जाए और उसपर दो प्रश्न पूँछे जाईं: इनमें एक प्रश्न निबंधात्मक (अंतर्गत विकल्पके साथ) पूछा जाए औ दूसरा प्रश्न टिपणियों का पूछा जाए।

पाठ्यपुस्तक

विधा उपन्यास : अनबीता व्यतीत, कमलेश्वर

Books Recommended

- १) हिन्दी साहित्य का इतिहास - हजारीप्रसाद द्विवेदी
 - २) हिन्दी साहित्य : युग और प्रवृत्तियाँ - शिवकुमार शर्मा
 - ३) १२५ हिन्दी निबंध-लेखन-तनसुखराम गुप्त प्रकाशक- सूर्य प्रकाशन, नई सड़क, दिल्ली ।
 - ४) हिन्दी साहित्य का इतिहास - लेखक- लक्ष्मीसागर वाष्णेय
प्रश्नपत्र का स्वरूप
- | | |
|---|----|
| प्रश्न १ : पाँच विषयोंमेंसे किसी एक विषयपर निबंध । | २० |
| प्रश्न २ : अ विभाग पर अंतर्गत विकल्पके साथ निबंधात्मक प्रश्न | २० |
| प्रश्न ३ : ब विभागपर अंतर्गत विकल्प के साथ निबंधात्मक प्रश्न । | २० |
| प्रश्न ४ : नियुक्त पाठ्यपुस्तकपर निबंधात्मक प्रश्न
(अंतर्गत विकल्प के साथ) | २० |
| प्रश्न ५ : टिपणियाँ लिखिए । (३में से २ पर)
(नियुक्त पाठ्यपुस्तकपर आधारित टिपणियाँ।) | २० |

४. संस्कृत

- १) अ) General Knowledge of the following works: ५०
ऋग्वेद, मंडकोपनिषद्
- ब) General Knowledge of the works of the following authors:
- भास, कालिदास, शूद्रक, भवभूमी, बाणभट्ट, जयदेव.
- २) श्रीमद्भगवद्गीता ३०
- ३) नीतिशतक २०

5. KANNADA**Section - I**

Study of the Prescribed Portion of three Texts each to represent old, Medieval and Modern Kannada Poetry.

Section-II

- 1) Vaddaradhane - D. L. Darasimhachav
- 2) Prabhulinga Leele - R. C. Hiremath
- 3) Kattuvenu Naavu - Gopal Krishna Adiga.

SCHEME OF MARKS**Section-I**

- 1) One question of each of the texts with internal option regarding critical evaluation of the work and style.

15 + 15 + 15

- 2) One question on reference to context.

Section-II

- 3) One question on the trends and the movements of the Kannada Literary - History.

- 4) To identify the Authoris and their works

6. URDU

The following portion is prescribed.

1. Essay on Literary and General topics.
2. Translation. (English into Urdu)

It should not be about 100 words and should be as far as possible round whole in its thought contents.

3. Translation: (Urdu into English)
4. Paraphrase:

The student is expected to understand the meaning of a given poem.

5. **Precis-Writing:** The student is expected to make 1/3 (One-third) of the given passage.

Distribution of Marks

1. Essay	30 Marks
2. Translation	20 Marks
3. Translation	20 Marks
4. Paraphrase	15 Marks
5. Precis-Writing	15 Marks

7. ANCIENT INDIAN HISTORY, CULTURE & ARCHAEOLOGY

1. SOURCES:

Archaeological Sources

- Inscriptions, coins, excavated remains
- Literary sources
- Hindu literature, Jaina literature, Buddhist literature, Traveller's accounts.

2. PREHISTORIC AND PROTOHISTORIC INDIA:

- Palaeolithic and Mesolithic Age
- Neolithic / Chalcolithic Age.
- Cultural development during Prehistoric and protohistoric » • period.

3. INDUS VALLEY CIVILIZATION :

- Town planning
- Social, economic and religious life
- Legacy of Indus valley civilization.

4. VEDICAGE:

- God and Goddesses
- Sacrifice system
- Social conditions
- Varnashramas
- Samskaras
- Position of Women
- Economic conditions

5. JAINISM AND BUDDHISM:

- Life of Mahavir and Gautam Buddha
- Their teaching
- Sects in Jainism and Buddhism.

6. PRE-MAURYAN PERIOD:

- Persian and Greek invasion
- Sixteen Mahajanapadas
- Rise of Magadh Empire

7. MAURYAN EMPIRE:

- Political and Administrative Contribution of Chandragupta
- Cultural contribution of Ashoka
- Mauryan Administration

8. GUPTA EMPIRE:

- Political and cultural contribution of Samudragupta and Chandragupta - II
- Cultural Development during the Gupta Period
- Post Gupta Period

9. ARCHITECTURE IN ANCIENT INDIA :

- Rock-cut Architecture
- Stupa Architecture
- Temple Architecture in North and South India.

10. SCULPTURE AND PAINTING IN ANCIENT INDIA:

- Gandhar School of Art
- Mathura School of Art
- Ajanta Painting

Recommended Books

1. Mujumdar, R. C. and Pusalkar, A. D. (Ed.), 1950, The Vedic Age : Bharatiya Vidya Bhavan, Bombay.
2. Shastri, K. A. N. and Shrinivaschari, G., 1970, Advanced History of India, McMillan and Co., London.
3. Shastri, K. A. N., 1966. History of South India (IHrd Ed.). Motilal Banarasidas, Banaras.
4. Raychoudhari, H. C., 1950, Political History of Ancient India (5th Ed.), University of Calcutta, Calcutta.
5. Thapar, Romila, 1973. Ashoka and the Decline of Mauryas (2nd Ed.), Oxford University Press, Oxford.
6. Dhavlikar, M. K., 1997, Protohistory of India, Books and Books, New Delhi.
7. Bhide, G. L, 1996, Prachin Bharat, Phadke Prakashan, Kolhapur (Marathi).
8. Mate, M. S., Prachin Bharatiya Kala, Continental Prakashan, Pune (Marathi).
9. Deglurkar, G. B., Dhavh'kar, M. K., and Gaikwad, R. D., Prachin Bharatacha Sanskrutik Itihas, Continental Prakashan, Pune (Marathi).
10. Deo, S. B., Puratatvavidya, Maharashtra Grantha Nirmiti Mandal, Nagpur (Marathi).
11. Bhide, G. L., Prachin Bharatiya Samajik Sansthancha Itihas, Phadke Prakashan, Kolhapur (Marathi).
12. Gayadhani and Rahurkar, Prachin Bharatacha Itihasa, Continental Prakashan, Pune (Marathi).

8. HISTORY**OUTLINE OF WORLD HISTORY**

- Topic No. 1 :** Ancient Civilizations - India, China, Egypt, Greece and Rome.
- Topic No. 2 :** Renaissance, Reformation and Geographical Discoveries.
- Topic No. 3 :** Grand Monarchs - Akbar, Shivaji, Louis the 14th, Peter the Great, Fredrick the Great.
- Topic No. 4 :** Revolutions - American (1776), French (1789), Industrial Revolution and Russian Revolution (1917).
- Topic No. 5 :** Growth of Nationalism and Democracy in the 19th Century - Italy, Germany and England.
- Topic No. 6 :** Modern Imperialism - Causes and Effects.
- Topic No. 7 :** Two World Wars - Causes and Effects.
- Topic No. 8 :** Growth of Nationalism in India

BOOKS FOR STUDY 1

1. J. E. Swain- A History of World Civilization
2. Webster and Wolf- History Of Civilization
3. Davies - An Outline History of the World.
4. B. V. Rao-Concise Book of World History.
५. व. मं. शिरसीकर-जगाचा इतिहास.
६. ओतूरकर, पोतनीस, महाजन-जगाचा संक्षिप्त इतिहास.
७. प्र. रा. फडके - अर्वाचीन जगाचा इतिहास
८. प्रा. गायकवाड, भोसले, पाटील - मानव जातीचा इतिहास
९. हेल्लेकर, सावंत - क्रांतीयुग आणि राष्ट्रवाद
१०. थोरात, गायकवाड, कदम - आधुनिक जग भाग १ व २.

9. ECONOMICS

I) Nature of Economics

- a) Definition - Adam Smith, Marshall, Robins.
 - b) Scope of economics.
 - c) Basic concepts-goods, utility, value, wealth, welfare.
- ### II) Demand: Utility and indifference curve analysis, Law of demand.

III) Supply Land

Labour Theories of population Division of Labour - Localization of Industries.
Capital Organisation -Cost of production and supply, Laws of Returns.

IV) Market

Pricing under perfect competition & Monopoly.

V) Distribution

Theory of Distribution

Rent-Ricardian theory and Modern theory

Interest-classical, Liquidity preference and Loanable fund theory.

Wages-Money and real wages. Wage differentials theories of wages.

Profit-Gross and net profit, Risk, uncertainty theory of Profit.

VI) Money & Banking : Functions of Money. Quantity theory of Money functions of commercial Banks and Central Banks.

VII) International Trade

Comparative cost theory : gains from Trade Balance of Trade and Balance of Payment causes of disequilibrium in the balance of payments.

VIII) Public Finance

Private finance / Public finance.

Cannons of taxation progressive /proportional, Regressive tax syst
sources of revenue and heads of public expenditure. **Books**

१. आधुनिक अर्थशास्त्राची मूलतत्त्वे (एस.चाँद आणि कंपनी) के. के. णिबेट, जे.वर्मा.
२. अर्थशास्त्राचा अभ्यास - भावे, केळकर भाग -१ व२.
३. बी. ए. भाग- १ व२ साठी निर्धारित केलेली सर्व पुस्तके.

10. POLITICAL SCIENCE

1. Basic Concepts - State, Nation, Government and Sovereignty.
2. Meaning of Constitutions - Types of Constitutions .
3. Montesquies Theory of Seperation of Powers.
4. Types of Democracies.
(i) Presidential (ii) Parliamentary
Role of Executive, Legislature and Judiciary.
5. Modern Indian Political Thinkers :
(a) B. G. Tilak
(b) M. G. Ranade
(c) B. R. Ambedkar
6. United Nations - Success and Failures.

BOOKS FOR REFERENCE

1. Political Science : B. K. Gokhale
2. Modern Political Theory : S. P. Verma.
3. Elements of Political Science : A. C. Kapur.
४. सुलभ आधुनिक राज्यशास्त्र : डॉ. नवलगुंदकर, नेंद्र प्रकाशन.
५. सुलभ राज्यशास्त्र : प्रा. व. म. शिरसीकर
६. राज्यशास्त्राची मूलतत्त्वे : चिं. ग. घांग्रेकर

11. PSYCHOLOGY

100 Marks

1. The Nature and scope of General Psychology. The Psychological Services in Social life. The method of Psychology - Observation, Clinical, Case-history, Experimental.
2. The Motives: The kinds: Social Physiological Conflicts of motives. Defence mechanisms.
3. Learning: Nature of learning Methods of learning • Trial & Error, Conditioning Insight.
4. The nature and scope of Social Psychology. Social groups: Kinds. Social Interactions.
5. The nature of Industrial Psychology - An Industrial Accidents, Causes. Prevention.
6. Leadership - Nature, Kinds, Functions, Characteristics.
7. Personality - Social and Biological factors-personality - Traits and types.
8. The Psychology of Individual Differences. Heredity and Environment.
9. Normal and Abnormal Behaviour. The major kinds of Abnormalities Psychoneurosis, Psychosis, Mental Deficiency, Anhedonia.
10. Mental Deficiency: Various classifications Causes, Symptoms Rehabilitation

Books for Study

1. Introduction to Psychology - Morgan and King (5th Ed.)
2. Social Psychology - Kuppuswamy.
3. Industrial Psychology - Dr. Bhagawatwar
4. Abnormal Psychology - Page

५. सामान्य मानसशास्त्र - तडसरे- हिरवे
६. सामाजिक मानसशास्त्र - गोगटे-अकोलकर
७. मनोविकृतीशास्त्र - चं.ग.देशपांडे
८. औद्योगिक मानसशास्त्र - डॉ. भागवतवार

N. B. - Nature of question paper:

1. The candidate shall attempt 5 questions out of 10 questions. (All Questions carry equal marks)

12. PHILOSOPHY

1. The Upanishadic background of Philosophy. Common characteristics of the Indian Systems of Philosophy.
2. Buddhism : The Buddhist search for the freedom from sorrow. The four noble truths. The Theory of twelve causes. Eight - fold path.
3. The Vedant System: Nature of the World. The doctrine of Maya. Nature of the Self and Brahman. Concept of Moksha.
4. Beginning of Modern Western Philosophy. Descartes' Method of doubt. 'Cogito Ezgo Sum'. Proofs for the existence of God. Dualism of matter and mind.
5. Locke : Locke's Theory of Empirical knowledge. His theory of substance.
6. The problems, nature and scope of ethics. The notions of Right and Good. Customary and Reflective morality.
7. Kant's Ethical Theory : Categorical Imperatives. The notion of Goodwill
8. Hedonism - Egoistic and Universalistic. Utilitarianism of Bentham and Mill.
9. Nature and Value of philosophy. Philosophy and Metaphysics. Nature of knowledge. The a priori and empirical elements in knowledge.
10. Human Freedom, Determinism and Indeterminism. Classifications of values. The highest value.

BOOKS FOR STUDY

1. Introduction to Indian Philosophy, Chatterji and Dutta.

२. भारतीय तत्त्वज्ञान - ह. दीक्षित

3. A History of Modern Philosophy, Wright W. H.
4. A History of Philosophy -Frank Thilly.
५. पाश्चात्य तत्वज्ञानाचा इतहास (खंड२) - ग.ना.जोशी.
६. नीतिमीमांसा - श्रीनिवास दीक्षित.
7. An Introduction to Ethics, William Lillie.
8. The Fundamental Questions of Philosophy, A. C. Ewing.
६. नीतिमीमांसा - श्रीनिवास दीक्षित.

13. SOCIOLOGY

I) Sociology - As a Science ;

Subject Matter - Scientific Nature of Sociology its relationship with other Social Science

II) Basic Concepts :

- A) Social Interaction Nature and Types of Interaction
 - i) Co-operation
 - ii) Conflict
 - iii) Competition
- B) Socialization: Stages and agencies of socialization.
- C) Social Groups : Concept of Social Group and basis of its classification
- D) Social Stratification: Nature and types.
- E) Social Change : Meaning and factors affecting Social Change.

III) Social Institutions in India:

- A) Concept of Social Institution
- B) Family: Characteristics and types.
- C) Marriage : Characteristics and types
- D) Caste: Characteristics

IV) Sociological Thinkers

- A) Auguste Comte : Social Statics and dynamics, Law of three stages.

- B) Karl Marx: Historical Materialism, Theory of Class, Conflict and Change.
- C) Emile Durkheim : Social facts, Mechanical & Organic Solidarity, Types of Suicide and Its Interpretation.
- D) Max Weber : Definition of Sociology, Types of Authority, Protestant Ethic and spirit of Capitalism.

V) Research Methods

- A) Steps in Scientific Method
- B) Major techniques of data collection
 - 1) Observation
 - 2) Interview Schedule
 - 3) Mailed Questionnaire

References:

1. Horton P. B. & Hunt C. L. : Sociology - McGraw Hill, New York, 1967.
2. Harlambous M.: Sociology - Themes & Perspectives: Bell & Heyman, 1955.
3. Tischler Whitten & Hunter : Introduction to Sociology, Holt, Rinehart and Winston Inc. New York, 1983.
4. Johnson Harry M : Sociology - A Systematic Introduction, All India Publishers Ltd., New Delhi 1960/1991.
5. Davis Kingsley: Human Society, Subject Publications, Delhi -19
6. Vidyabhushan & D. R. Sachdeva: Introduction to Sociology, Kishore and Mahal, Allahabad, 1998.
7. Inkles Alex: What is Sociology, Holt Rinehart, London, 1965.
8. Ogburn & Nimkoff: A Handbook of Sociology, London, R. Kegan Paul, 1960.
9. Gisbert P.: Principles of Sociology.
10. Kapadia, K. M.: Marriage & Family in India, Oxford University Press, Bombay, 1966.

11. Prabhu, Pandharinath H.: Hindu Social Organization: A Study in Socio - Psychological and Ideological Foundations, Bombay, Popular Prakashan, 1940.
12. Ahuja, Ram : Indian Social System, Rawat, Jaipur, 1992.
13. Mandelbaum David: Society in India, Popular Prakashan, 1972.
14. Karve Iravati: Hindu Society - An Interpretation, 1961.
15. Srinivas, M. N.: Social Change in Modern India, New Delhi, Orient Longman, 1980.
16. Ghurye, G. S.: Caste & Race in India, Bombay Popular Prakashan, 1969.
17. Dumont Louis : Caste, Religion & Politics, Paris, 1970.
18. Karve Iravati: Kinship Organisation in India, 1952.
19. Dumont Louis : Homo-Hierarchicus, Vikas, New Delhi, 1970.
20. Singh, Yogendra : Modernization of Indian Tradition, Thomson Press Delhi, 1973.
21. Ramond, Aron : Main Currents in Sociological Thought, Penguin Books, 1965, Vol. I & II.
२२. वैद्य नि.स. : समाजशास्त्रीय विचार परंपरा, महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, पुणे, १९८१
२३. भांडारकर पु.ल. व वैद्य नि.स. : समाजशास्त्र मूलभूत संकल्पना, नेरेंद्र प्रकाशन, पुणे - २, १९९६
२४. साळुंखे सर्जेराव : समाजशास्त्रातील मूलभूत संकल्पना, नेरेंद्र प्रकाशन, पुणे - २, १९९६.
25. Ritzer, George : Classical Sociological Theory, Mcgraw-Hill International Editions, New York.
26. Coser, Lewis A. : "Masters of Sociological Thought", Harcourt Base, New York, 1971.

27. Abraham F. & Morgan : Modern Sociological Thought.
28. Timashebb N. S. & Theodorson G. A. : Sociological Theory It's Nature & Growth, Random House, New York, 1976.
29. Wilkinson T. S. & Bhandarkar P. L. : Methodology and Techniques of Social Research, Bombay, Himalaya Prakashan, 1982.
30. Riley and Riley : Sociological Research, Vol. I & II, New York, Harcourt Brace, 1963.
31. Goode W. J. & P. K. Hatt : Methods in Social Research, Prentics Hall, New Delhi, 1973.
32. Young D. V. : Scientific Social Surveys & Research.
33. Bailey K. D. : Methods of Social Research, The Free Press, New York, 1978.
34. Sharma R. & Prasad S. : Research Methods in Social Sciences.
35. Bajpai S. R. : Survey Methods in Social Research.
36. Moser C. A. & Kalton G. : "Survey Methods in Social Investigation", The English Language Book society & Heinemann Educational Books Ltd., London, 1973.
३७. डॉ. भांडारकर पु.ल. : सामाजिक संशोधन पद्धती, महाराष्ट्र विद्यापीठ मंडळ, नागपूर १९८१
३८. नाडगोंडे गुरुनाथ : सामाजिक संशोधन पद्धती, फडके प्रकाशन, कोल्हापूर १९९८
39. Syoberg G. & Neet Roges: Methodology For Social Research', F. & Row, New York, 1968.
40. Jahoda M. M.; Deutsch & Cook S. W.: Research Methods in Social Relations, Rinehart & Winston, 1972.

14. GEOGRAPHY

Note:

- i) The question paper shall carry 100 marks and will be of three

question.

- ii) There will be 10 questions divided equally in to Two sections.
- iii) The candidate is required to answer in all FIVE questions selecting any THREE from section 'A' and any Two from Section 'B'.
- iv) All questions shall carry equal marks.
- v) Both the sections should be attempted in one and the same answerbook.

Section-A

1. Nature and scope of Geography. Major branches of Geography.
2. Landforms and weathering - world distribution of Mountains, Plateaus and Plains - Weathering and Mass wasting - Man as a geomorphic agent.
3. Evolution of a graded stream - landmass rejuvenation.
4. Atmosphere - Composition and structure of the atmosphere - Horizontal distribution of temperature Inversion of Temperature - Atmospheric pressure and winds.
5. Humidity - Types of humidity - Types of Clouds - Types of Precipitation - Major climatic regions of the world.
6. Concept of Ecosystem - Man - environment relationships. Determinism and possibilism.

Section-B

7. Major types of agriculture in the world and their characteristics.
8. Growth and distribution of world population. Concepts of under, over and optimum population. Processes and patterns of urbanization in the world.
9. Distribution of major mineral production in the world. (Coal, Petroleum, Iron ore)
10. Distribution of major industries in the world. (Textile, Iron steel,

Automobile and electronics)

11. Settlements Origin, types functions and land use of Urban settlement

References :

1. Strahler and Strahler: *Modern Physical Geography*, John Wiley & Sons (1978)
2. Trewartha G. T.: *Introduction to climate*, McGraw Hill. New Jersey (1978)
3. Alexander J. W.: *Economic Geography*, Prentice Hall of India New Delhi (1978)
4. Chandana R. C.: *A geography of Population*, Kalyani Publishers New Delhi. (1986)
5. Carter, Harold: *Study of Urban Geography*, Pergamon Press New York (1974).

15, MATHEMATICS (Marks 100, Time : 3 hours)

Note: The question paper consists of 5 questions, one on each of the following sections. There will be an option to each question. All questions carry equal marks.

Section-I

ALGEBRA

Definitions and examples of group, ring, integral domain, field, Vector space, Lagrange's theorem on groups, Isomorphism and Homomorphism of rings, Range and kernel of a linear map.

Section-II

CALCULUS

Continuous function of real variable, Rolle's theorem with simple illustrations, Taylor's theorem, Maclaurin's series.

Double integrals, change of order of integration, application to areas and volumes.

Section-III

DIFFERENTIAL EQUATIONS

First order and First degree differential equations, linear differential equations.

with constant coefficients. Total differential equation $P dx + q dy + R dz = 0$, Partial differential equations of first order of the type $pP + qQ = R$.

Section - IV

COMPLEX ANALYSIS

De Moivre's theorem, roots of unity, Cauchy - Riemann equations, Cauchy's integral formula, Residue theorem, Evaluation of integrals.

Section-V

SPECIAL TOPICS

Definitions of Mathematics (Aristotle, Descartes Hilbert), Definitions of function (Leibnitz, Euler, Dirichlet), Remarkable functions (Riemann, Weierstrass) the small-big set (center's set), algebra of electrical switches.

Reference Books

1. Differential Calculus by Shanti Narayan.
2. Differential equations by Diwan and Agashe.
3. Differential equations by D. A. Murray.
4. Calculus and differential equations by H. V. Kumbhojkar and G. V. Kumbhojkar.
5. Algebra and Trigonometry - Vaze, Gosavi.
6. Elementary Abstract Algebra - Vaze.
7. Modern Algebra - Sharma Sheth.
8. Complex Numbers - W. Ledermann.
9. Mathematical Analysis - Shanti Narayan.
10. Integral Calculus - Shanti Narayan.
11. A Survey of Modern Algebra by Birkhoff and Mac Lane (Macmillan 1965).
12. Linear Algebra: Heffman and Kunze, (East West Press).
13. Topics in Algebra -1. N. Herstein.
14. Functions of a complex variable - by Shanti Narayan.
15. L. Radhakrishna - History, Culture, Excitement and Relevance of Mathematics.
16. Complex Analysis - Sharma.