

BA

Semester I

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Major 1

Micro Economics I

Micro Economics – I

Course Credit: 4

1. Module I: Introduction of Micro Economics (15 Hours)

- a. Micro economics: Meaning, nature, scope, significance and limitations
- b. Economic models and Methodologies: Scientific method, Role of Assumptions, Production possibility curve
- c. Economist as policy advisors: Positive economics and normative economics, managerial economics, causes of disagreement among economists
- d. Basic concept: wealth, welfare and scarcity

2. Understanding Fundamentals of Market (15 Hours)

- a. Demand Analysis: Meaning of demand, Demand Function, Derivation of Demand curve, Individual demand versus Market Demand
- b. Supply Analysis: Meaning of supply, Supply function, Derivation of Supply curve, Individual Supply versus Market Supply
- c. Market Equilibrium: Changes in equilibrium, Changes in demand and Supply, movements along the demand curve, shifts in the demand curve, shifts in supply curve

3. Consumer's Behaviour I (15 Hours)

- a. Utility Analysis: meaning of Utility, Cardinal and Ordinal Approaches, types of goods: Substitutes and complementary
- b. Indifference Curve Analysis: Meaning, types and properties of indifference curve
- c. Budget Constraint: Meaning, Properties and derivation of Budget line
- d. Consumer's Equilibrium: Budget optimization, Income, Price and Substitution effect

4. Consumer's Behaviour II (15 Hours)

- a. Elasticity of demand: Meaning of elasticity of demand, Methods of elasticity of Demand
- b. Types of elasticity of demand: Price, Income and cross elasticity of demand
- c. Elasticity of Demand and applications: Total revenue and the elasticity of demand, Taxes, Subsidies and elasticity effects
- d. Consumer's and producer's Surplus: meaning and computation of Consumer's and Producer's Surplus

References:

- 1.N. Gregory Mankiw, (2015), "Principles of Microeconomics" 7th edition. Cengage Learning.
- 2.Sen Anindya, (2007), "Microeconomics Theory and Applications" Oxford University press, New Delhi.
3. Salvator D, (2003) "Microeconomics Theory and Applications" Oxford University Press New Delhi.
4. M. L. Jhingan, (2006) "Microeconomics Theory", 5th edition Vrinda Publication (P) Ltd.
5. H. L. Ahuja, (2016) "Advance Economics Theory" S. Chand & Company Ltd.
6. Paul Samuelson and W. Nordhaus, (2009): Economics, 19th Edition McGraw Hill Publications.

Major 2

Introduction to Psychology

Introduction to Psychology

Course Credit: 4

1. Psychology: What is it? (15 Hours)

- a. Psychology- Definition, Goals, Perspectives
- b. Psychology as a Science
- c. Individual differences and Intelligence
- d. Professionals in Psychology
- e. Frequently asked questions in Psychology

2. Biological Psychology (15 Hours)

- a. Neuron and Neurotransmitters
- b. Endocrine system
- c. Brain and Behaviour
- d. Neuroplasticity and Brain Computer Interface
- e. Hemispheric specialisation and language

3. Development across the lifespan (15 Hours)

- a. Studying human development
- b. Stages of development: prenatal, infancy and childhood
- c. Classic studies in Psychology
- d. Indian Adolescents
- e. Late adulthood and ageing

4. Stress and Health (15 Hours)

- a. Stress and stressors
- b. Physiological factors
- c. Psychological factors

d. Emotional factors

e. Coping with stress

Books:

1. Baron, R. A., & Kalsher, M. J. (2008). Psychology: From Science to Practice. (2nd ed.). Pearson Education inc., Allyn and Bacon
2. Ciccarelli, S. K. & Meyer, G. E. (2008). Psychology. (Indian sub-continent adaptation). New Delhi: Dorling Kindersley (India) pvt ltd.
3. Ciccarelli, S. K., White, J. N. & Misra, G. (2015). Psychology. 5th edi. New Jersey: Pearson Education

Major 3

Ancient India from Earliest Times to 6th Century BCE

Ancient India from Earliest Times to 6th Century BCE

Course Credit: 4

1. Sources of Ancient India (15 hours)

- a. Archaeological Sources
- b. Literary Sources
- c. Foreign Travelers Accounts

2. Indus Valley Civilization (15 hours)

- a. Social and Economic Life
- b. Religious Life
- c. Town Planning and Decline of the Civilization

3. Vedic Age (15 hours)

- a. Political and social Life
- b. Economic and Religious Life
- c. Janapada – Administration

4. India during 6th Century BCE (15 hours)

- a. 16 Mahajanapadas
- b. Jainism and Buddhism
- c. Persian and Macedonian Invasions

References:

1. Agarwal D.P., The Archaeology of India, (Delhi Select Book Services) Syndicate, 1984.
2. Allichin –B-Zidget and F. Raymond, Origin of a Civilization – The History and early Archaeology of South Asia, (Delhi Oxford and IBH), 1994.
3. Ayyanger, S.K., Ancient India and South Indian History Culture, Oriental Book Agency, Pune, 1941.

4. Basham A.L., The Wonder that was India, Rupa& Co., 1998.
5. Bhattacharya N.N., Ancient Indian Rituals and their Social Contents, Manohar Publications, Delhi, 1996.
6. Chakravarty Uma, The Social Dimensions of Early Buddhism, Munshiram Manoharlal, Delhi, 1996.
7. Chakravarty, K.C., Ancient Indian Culture and Civilization, Vora and Company, Bombay, 1952.
8. Jha, D.N., Ancient India in Historical Outline, Motilal Banarasidas, New Delhi, 1974
9. Kautilya, The Arthashastra, Penguin Books, 1987.
10. Kulkarni, C. M., Ancient Indian History and Culture, Karnataka Publishing House, Mumbai, 1956.
11. Luniya B.N., Life and Culture in Ancient India, Lakshmi Narain Agarwal, Agra, 1994.
12. Majumdar R.C. and Altekar A.S. ed, The Vakataka- Gupta age, Motilal Banarsidas, Delhi, 1967.
13. Majumdar, R.C, Ancient India, Motilal Banarasidas Publishers Pvt. Ltd. New Delhi, 1974.
14. Mookerjee, R.K., Ancient India, Allahabad, Indian Press, 1956.
15. Mukherjee, B.N., Rise and Fall of the Kushan Empire, (Kolkata Firma,KLM), 1988.
16. Nandi R.N., Social Roots of Religion in Ancient India, (Kolkata K.B. Bagchi), 1986.
17. Nilkantha Shastri, A History of South India, Madras, 1979
18. Pannikar K.M., Harsha and His Times, D.B. Taraporewalla Sons and Co. Bombay,1922.
19. Pargitar, F.E., Ancient Indian Historical Tradition, MotilalBanarasidas Publishers Pvt.Ltd. New Delhi, 1962.
20. Pathak, V.S., Historians of India (Ancient India), Asia Publishing, Bombay. 1966.
21. PossellG.L.ed., Ancient Cities of the Indus, Vikas, Delhi, 1979.

22. Sen, S.N., Ancient Indian History and Civilization, Wiley Eastern Pvt.Ltd, New Delhi, 1988.

23. Sharma, L.P., Ancient History of India, Pre- Historic Age to 1200 A.D., Vikas Publishing House, New Delhi, 1981.

24. Sharma, S.R., Ancient Indian History and Culture, Hind Kitab Ltd., Mumbai 1956.

25. Thapar Romila, Ashoka and Decline Mauryas, Oxford University Press, London, 1961.

Marathi१. गो. बं. देगलूरकर, प्राचीन भारत, अपर ०० ०० त, २०००

२. रोमिल थ पर, अशोक आमि मं र ०० ०० ०० ०० चा हास, १९८८

३. मिर शी व मंव, सातवाहन आमि पमिमं क्षत्रप आमि तर ०० ०० ०० ०० चेकोरीव लेख, १९७९

४. ढवळीकर िंधुकर के शव, भारताची कुळकथा, २०१७

५. ढवळीकर िंधुकर के शव, कोिं०० ०० एके काळी मंसांधूसांस्कृ ती, २००६

SEC (Eco)

Economic Data Analysis

Economic Data Analysis

Course Credit: 2

1. Meaning, Types and Data Analysis

(15 hours)

- a. Meaning and Types of Data: Quantitative Data, Qualitative Data, Time Series Data, Cross-Sectional Data, Panel Data.
- b. Descriptive statistics: mean, median, mode, Interquartile Range, Percentiles, Quartiles
- c. Data visualization techniques: graphs, scatter plots, histograms, bar charts, best practices for effective data visualization.

2. Sources of Economic data in India

(15 hours)

- a. Official Government Agencies: Central Statistical Office (CSO), Ministry of Finance, Reserve Bank of India (RBI), Ministry of Commerce and Industry, Ministry of Corporate Affairs (MCA)
- b. Social and Demographic Data: National Sample Survey Office (NSSO), Census of India
- c. Other Data Sources: Agricultural Data, Financial Markets and Regulatory Bodies, Trade and Industry Associations Research Institutions and Think Tanks: International Organizations, Private Sector Data

References:

1. Kezdi, G. B. (2021). Data Analysis for Business economics and Policy. Cambridge University Press.
2. Knafllic, C. N. (2015). Storytelling with Data: A Data Visualization Guide for Business Professionals. Wiley 1st edition.
3. G.O.I. Annual Report. National Statistical Commission, GOI.
4. R. B.I. Handbook of Statistics on the Indian Economy, RBI.

5. Ministry of Finance, GOI, Economic survey, Government of India.
6. Office, N. S. National Sample Survey Report. Ministry of Statistics and Programme Implementation, GOI.
7. Office, N. S., PERIODIC LABOUR FORCE SURVEY. Ministry of Statistics and Programme Implementation, GOI.
8. Centre for Monitoring Indian Economy, (CMIE), www.cmie.com

SEC (Psych)

**Methods for Studying
Psychology**

Methods for Studying Psychology

Course Credit: 02

1. Introduction to Psychological Research Methods (15 hours)

- a. Overview of the scientific method and its application in psychology. Research Ethics in Psychology
- b. Understanding the goals and principles of psychological research
- c. Overview of the steps in the scientific method: observation, hypothesis formation, data collection, analysis, and conclusion drawing
- d. Variables in Psychological Research, Sampling: Random and non-random

2. Quantitative and Qualitative Research Method (15 hours)

- a. Experimental Research: Laboratory and field Experimental Research.
- b. Nonexperimental Research: Observational Research, Correlational Research, Case Study and Survey Research
- c. Introduction to Qualitative Research
- d. Qualitative Data Collection and Analysis Methods: Interviews, Observations, Focus groups, Document analysis. Introduction to qualitative data analysis techniques.

References:

- 1) Kumar R. (2011), 3rd Edition, Research Methodology a step-by-step guide for beginners. London: Sage Publications
- 2) Kerlinger, Fred N. () Foundations of Behavioural Research. New York: Harcourt Brace Jovanovich College Publishers - 150.7943, KER (12635)
- 3) Coolican, H. (2006) Introduction to Research Methods in Psychology. Great Britain: Hodder Arnold- 150.194 COO (31471)
- 4) Kothari, C. R. (2002) Research Methodology: Methods and Techniques. New Delhi: Wishwa Prakashan.

SEC(Hist)

**Introduction to
Competitive Examinations**

Introduction to Competitive Examinations

Course Credit: 2

1. Basic information on Competitive Examinations (15 hours)

- a. Nature, Scope, Types of Examinations & conduction process
- b. U.P.S.C Examinations: eligibility criteria, the Exam pattern, Syllabus of Examination
- c. M.P.S.C & Staff Selection Examinations: eligibility criteria, the Exam pattern, Syllabus of Examination

2. Preparation Strategy for Competitive Exams (15 hours)

- a. Essential Rules & Effective Strategies to achieve Goal: Desire, Positive Approach, Self-Belief, Self Awareness, Effective Goal Setting
- b. Syllabus Preparation: Reasoning Ability, General Intelligence, Quantitative Aptitude, Data Interpretation. Language proficiency, Analysing, Previous year Question papers, Quality Study Material
- c. Effective Learning Methods and techniques: Self Study plan, General Awareness, Current Affairs, Soft Skills, Time Management, Mock Test

References:

1. Aggarwal R.S., Arithmetic for Competitive Examinations, S Chand Publishing, New Delhi, 2017
2. Aggarwal R.S., Mathematics for CDS Entrance Examination, S Chand Publishing, New Delhi, 2018
3. Aggarwal R.S., Verbal Reasoning, (Hindi), S Chand Publishing, New Delhi, 2017
4. Lakshmikanth M., Indian Polity (Marathi) other Competitive Exam of Maharashtra State, MacGraw-Hill Publication, Delhi, 2021
5. Saurabh Kumar, UPSC PRELIMS Simplified 4th Edition, Unique Academy, Pune, 2021

6. Om Shatrughna Kharat, Manohar Dharmaraj Pawar, Maharashtraatil Jilhe (Marathi),
Unique Academy, Pune, 2021

7. आगरकर आर.एस., वस्तुनिष्ठ अंक गणित नितयोगी परीक्षयोन्के निते, एस.च ा 7Tा 7द पिनिके नि,
नाई िनदि ि 7ा 7t, २०१७

8. गोरे चTद्रक ा 7Tा 7त, स7म7न्य ि वज्ञ7ना -भ7ग १, युनिक अक दमt, पुणे, २०१२

9. गोरे चTद्रक ा 7Tा 7त, स7म7न्य ि वज्ञ7ना -भ7ग २, युनिक अक दमt, पुणे, २०१२

10. ज धव देव , युनिक च7ना घड7मोडी एयर बुक, युनिक अक दमt, पुणे, २०१२

11. पव र सुभ ष, भ7रतीय संि वध7ना आनि र7जक7ररे,क स गर पिनिके नि, पुणे, २०२७.

12. पव र सुभ ष, सयं ा ाु क्त पववपरीक्ष7, के स गर पिनिके नि, पुणे, २०२७.

VSC

Entrepreneurship

Development

Entrepreneurship Development

Course Credit: 2

1. Introduction

(15 hours)

- a. Entrepreneurship -Meaning, Definition and Significance
- b. Types of Entrepreneurs - Essential qualities to become successful entrepreneur
- c. Functions of Entrepreneur-Obstacles and Challenges before entrepreneurs- Measures to overcome obstacles
- d. Examples of successful Indian entrepreneurs- Incentives and subsidies to entrepreneurs in India.

2. Entrepreneurship and Entrepreneurial Development

(15 hours)

- a. Factors influencing entrepreneurial development-Role of psychological, social and cultural factors in entrepreneurial development
- b. Agriprenuership: meaning and importance, Entrepreneurial opportunities in agro sector
- c. Challenges of Agriprenuership - Remedial measures- Role of entrepreneurial development institutes in India
- d. Recent Development in policies and programmes on entrepreneurship

References:

1. Hisrich, R. D., Peters, M. P., & Shepherd, D. A. (2017). Entrepreneurship. Tata McGraw-Hill Education.
2. Desai, Vasant. Dynamics of Entrepreneurial Development and Management: Planning for future sustainable growth. Himalaya Publication House, 2018.
3. Habbershon, Timothy G. Entrepreneurship: The Engine of Growth. Praeger Publishers Inc, 2006.
4. Joshi, Dr. Savita. Entrepreneurship, Innovations & Start-Ups in India. New Century Publications, 2017.

5. N.P. SRINIVASAN, C.B. GUPTA &. Entrepreneurship Development in India. Sultan Chand & Sons, 2013.

6. Timmons, Jeffry A., and Spinelli, Stephen. New Venture Creation: Entrepreneurship for the 21st Century. McGraw-Hill Education

7. Kuratko, D. F., & Rao, V. (2018). Entrepreneurship: Theory, Process, and Practice. Cengage Learning India.

VSC(Psych)

Personal and Social Skills

Personal and Social Skills

Course Credit: 2

1. Personal Skill- Self Awareness and Empathy (15 Hours)

- a. Introduction to Personal and Social Life Skills, Defining Self-awareness
- b. Dimensions of Self-awareness, Understanding self through SWOC Analysis and Johari Window
- c. Empathy and Its Components
- d. Differentiating Empathy from Sympathy, Social and cultural practices to build Empathy

2. Social Skill- Communication and Interpersonal relations (15 Hours)

- a. Defining Communication, Communication Process
- b. Types of communication, Barriers in Communication
- c. Nature of Interpersonal relationships and Stages of forming interpersonal relationships
- d. Process of Team Building and Characteristics of effective teams

References:

Nair, A.R., Ranjan, S., Hardikar, G. & Santhanam, D., (2021). Life Skills: Ready Reckoner. Chennai: Southern Book Star

Robbins, S.P., Judge, T. A., & Vohra, N., (2017). Chennai: Pearson India Education Services Pvt. Ltd.

VSC(Hist)

**Introduction to Indian
Archaeology**

Introduction to Indian Archaeology

Course Credit: 2

1. Introduction and Methods of Archaeology (15 Hours)

- a. Introduction of Indian archaeology
- b. Definitions and Scope
- c. Types of Excavated Artefacts and Dating Methods

2. Pre-historic and Chalcolithic Cultures in India (15 Hours)

- a. Palaeolithic and Mesolithic Cultures
- b. Neolithic Cultures
- c. Chalcolithic Cultures

References:

1. Agrawal D. P. and DK Chakraborty (ed) Essays in Indian Proto history, DK Publishers, Delhi, 1979
2. Allchin FR., A Source book of Indian Archaeology, New Delhi, 1972
3. Ghosh A., Encyclopaedia of Indian Archaeology, Munskurin Manoharlal Pub., New Delhi, 1990
4. Khanna A.N., Archaeology of India, New Delli, 1981
5. Lal B., Prehistoric and Protohistoric Period, New Delhi, 1950
6. Mirashi V.V., History and Inscriptions of the Satvahahnas and Western Kshatrpas, Bombay, 1981
7. Masura V.N., Stone Age India an Ecological Perspective. Man and Environment, 1990
8. Paddaya K. (ed) Recent Studies in Indian Archaeology, New Delhi ICHR, 2002
9. Rao S. R., Lothal and the Indus Civilization, Bombay, 1973.
10. Renfrew. C and P. Bahn, Archeology: Theories and Methods and Practice, Thames and Hudson, London 1991

11. Sankalia MD., Prehistory and Protohistory of India and Pakistan, Poona, 1975.
12. Sankalia M.D., Reports on the Excavations at Nasik and Jorve, Poona, 1975.
13. Siunde Vasant, Origin and Development of Chalcolithic in Central India, Bulletin of Indo-Pacific Prehistory Association 2000.
14. ढवळीकर मं. के., पुरातत्वविद्या, मंंुंंबई, १९७९

IKS

Indian Knowledge System

Series (Generic) – I

Indian Knowledge System Series (Generic) – I

Course Credit: 2

Module 1:

(10 Hours)

a. Introduction to IKS

(What is knowledge System, Characteristic Features of Indian Knowledge System)

b. Why IKS?

(Macaulay's Education Policy and its impact, Need of revisiting Ancient Indian Traditions)

c. Scope of IKS

(The Universality of IKS (from Micro to Macro), development form Earliest times to 18th Century CE)

d. Tradition of IKS

(Ancient Indian Education System: Home, Gurukul, Pathashala, Universities and ancient educational centres)

e. Relevant sites in the vicinity of the Institute

(Water Management System at Kanheri, Temple Management of Ambarnath, etc.)

Module 2:

(10 Hours)

a. Medicine (Ayurveda)

b. Alchemy

c. Mathematics

d. Logic

e. Art of Governance (Arthashastra)

Module 3:

(10 Hours)

a. Ancient Sports

b. Yoga and Wellbeing

- c. Chitrasutra
- d. Architecture
- e. Trade and Commerce

Reference:

1. Concise history of science in India- D.M. Bose, S.N Sen, B.V. Subbarayappa.
2. Positive sciences of the Ancient Hindus- Brajendranatha seal, Motilal Banrasidas, Delhi 1958.
3. History of Chemistry in Ancient India & Medieval India, P.Ray- Indian Chemicals Society, Calcutta 1956
4. Charaka Samhita- a scientific synopsis, P. Ray & H.N Gupta National Institute of Sciences of India, New Delhi 1965.
5. MacDonnell A.A- History of Sanskrit literature
6. Winternitz M- History of Indian Literature Vol. I, II & III
7. Dasgupta S.N & De S.K- History of Sanskrit literature Vol. I.
8. Ramkrishna Mission- cultural heritage of India Vol. I, II & III.
9. Majumdar R. C & Pushalkar A.D- History & culture of the Indian people, Vol. I, II & III.
10. Keith A.B- History of Sanskrit literature.
11. Varadachari V- History of Sanskrit literature Chaitanya Krishna- A new History of Sanskrit

VEC

Environmental

Management &

Sustainable Development -I

Environmental Management & Sustainable Development -I

Course Credit: 2

1. Ecosystems, Biodiversity and Conservation

(8 hours)

a. Introduction, structure, and function of ecosystems; Energy flow: food chains, food webs and ecological succession. Case studies of the following:

i) Forest ecosystem

ii) Grassland ecosystem

iii) Desert ecosystem

iv) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

b. Levels of biological diversity: genetic, species and ecosystem diversity;

Biogeographic zones of India; Biodiversity patterns

c. India as a mega-biodiversity nation; Endangered and endemic species of India

d. Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

e. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

2. Natural Resources and Sustainable Development

(7 hours)

a. Overview of natural resources: Definition of resource; Classification of natural resources- biotic and abiotic, renewable and non-renewable.

b. Biotic resources: Major type of biotic resources- forests, grasslands, wetlands, wildlife and aquatic (fresh water and marine); Microbes as a resource; Status and challenges.

c. Water resources: Types of water resources- fresh water and marine resources;

d. Availability and use of water resources; Environmental impact of over-exploitation, issues and challenges; Water scarcity and stress; Conflicts over water.

e. Soil and mineral resources: Important minerals; Mineral exploitation; Environmental problems due to extraction of minerals and use; Soil as a resource and its degradation.

f. Energy resources: Sources of energy and their classification, renewable and non-renewable sources of energy; Conventional energy sources- coal, oil, natural gas, nuclear energy;

g. Non-conventional energy sources- solar, wind, tidal, hydro, wave, ocean thermal, geothermal, biomass, hydrogen and fuel cells; Implications of energy use on the environment.

h. Introduction to sustainable development: Sustainable Development Goals (SDGs)- targets and indicators, challenges and strategies for SDGs

3. Human Communities and the Environment

(8 Hours)

a. Human population growth: Impacts on environment, human health and welfare.

b. Resettlement and rehabilitation of project affected persons; case studies.

c. Disaster management: floods, earthquake, cyclones and landslides.

e. Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.

f. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.

g. Environmental communication and public awareness, case studies (e.g. CNG vehicles in Delhi).

4. Environmental Issues; Local, Regional, and Global

(7 Hours)

a. Environmental issues and scales: Concepts of micro-, meso-, synoptic and planetary scales; Temporal and spatial extents of local, regional, and global phenomena.

- b. Pollution: Impact of sectoral processes on Environment, Types of Pollution- air, noise, water, soil, municipal solid waste, hazardous waste; Transboundary air pollution; Acid rain; Smog.
- c. Land use and Land cover change: land degradation, deforestation, desertification, urbanization.
- d. Biodiversity loss: past and current trends, impact.
- f. Global change: Ozone layer depletion; Climate change.

Text Books

1. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. Principles of Conservation Biology. Sunderland: Sinauer Associates, 2006.
2. Odum, E.P., Odum, H.T. & Andrews, J. 1971. Fundamentals of Ecology. Philadelphia: Saunders.
3. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi.
4. Chiras, D. D and Reganold, J. P. (2010). Natural Resource Conservation: Management for a Sustainable Future. 10th edition, Upper Saddle River, N. J. Benjamin/Cummins/Pearson.
5. John W. Twidell and Anthony D. (2015). Renewable Energy Sources, 3rd Edition, Weir Publisher (ELBS)
6. Singh, J.S., Singh, S.P. & Gupta, S.R. 2006. Ecology, Environment and Resource Conservation. Anamaya Publications <https://sdgs.un.org/goals>
7. Down to Earth, Centre of Science and Environment ®.
8. Hawkins R. E., Encyclopaedia of Indian Natural History, Bombay Natural History Society, Bombay ®.
9. Harper, Charles L. (2017) Environment and Society, Human Perspectives on Environmental Issues 6th Edition. Routledge.
10. Rajagopalan, R. (2011). Environmental Studies: From Crisis to Cure. India: Oxford University Press.
11. Harris, Frances (2012) Global Environmental Issues, 2nd Edition. Wiley Blackwell.

References:

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
3. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
4. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.

AEC

**Communication Skills in
English I**

Communication Skills in English I

Course Credit: 2

1. Introduction to Communication Skills, Reading Skills and Listening Skills (15 Hours)

a. Introduction to Communication Skills

- English as an international language and varieties of English
- Verbal and Non-Verbal Communication
- Features of Effective Writing Skills
- Characteristics of an Effective Speech
- Effective Listening Skills

b. Reading Skills:

- Scanning a text for information
- Skimming a passage to look for main ideas, understanding text type
- Guessing meaning of an expression (word/phrase/clause)
- Building inference skills
- Grammar: Tenses, Question Tag, Change the Voice, Framing Interrogative sentence, Synonyms and Antonyms

Passages of around 200- 250 words from fables, folk stories, short stories, non-fiction, history, business or environment could be chosen in this section.

c. Listening Skills

- Listening for main ideas/Gist
- Listening for details
- Listening for text organization features
- Listening for tone, accent, style and register

2. Speaking Skills and Writing Skills

(15 Hours)

a. Speaking Skills in English

i) Public Speaking in English

- Introduction
- Characteristics of an effective speech
- Analysis of model speeches
- Drafting and presenting a speech in formal and informal gatherings

ii) Conversation skills

- Opening a conversation
- Introducing oneself in various contexts
- Introducing others formally and informally

b. Formal Writing Skills:

- Job applications with bio data (solicited and unsolicited)
- RTI applications
- Applications for duplicate documents (I-cards / mark sheet, etc.)

References:

1. Bellare, Nirmala. Reading & Study Strategies. Books. 1 and 2. Oxford University Press, 1997, 1998
2. Bellare, Nirmala. Easy Steps to Summary Writing and Note-Making. Amazon Kindle Edition, 2020
3. Comfort, Jeremy, et al. Speaking Effectively: Developing Speaking Skills for Business English. Cambridge University Press, 1994.
4. Das, Bikram K., et. al. An Introduction to Professional English and Soft Skills. Cambridge University Press India Pvt. Ltd., 2010
5. Das, Yadjnaseni & R. Saha (eds.) English for Careers. Pearson Education India, 2012.
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9. Goodale, Malcolm. Professional Presentations Video Pack: A Video Based Course. Cambridge University Press, 1998.
10. Grellet, F. Developing Reading Skills. Cambridge: Cambridge University Press, 1981
11. Grussendorf, Marion. English for Presentations. OUP, 2007.
12. Hamp- Lyons, Liz and Ben Heasiey. Second edition. Study Writing: A Course in Writing Skills for Academic Purposes. CUP, 2006
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14. Lewis, N. How to Read Better & Faster. New Delhi, Goyal Publishers & Distributors Pvt. Ltd, 2006.
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16. Mohan, RC Sharma Krishna. Business Correspondence and Report Writing. Third edition. Tata McGraw-Hill Education, 2002.
17. Murphy, Raymond, et al. Grammar in use: Intermediate. Cambridge University Press, 2000
18. Raman, Meenakshi, and Singh, Prakash. Business Communication. India, Oxford University Press, 2006.
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20. Sadanand, Kamlesh & S. Punitha. Spoken English: A Foundation Course. (Part 1 & 2). Orient Blackswan. 2009.
21. Sasikumar, V., et al. A Course in Listening & Speaking I. 2005. Cambridge University Press India Pvt. Ltd. (under the Foundation Books Imprint), 2010

- 22.Savage, Alice, et al Effective Academic Writing. Oxford: OUP, 2005
- 23.Sethi, J. Standard English and Indian usage: Vocabulary and grammar. PHI Learning Pvt. Ltd., 2011.
- 24.Taylor, Grant. English Conversation Practice. 1967. Tata McGraw-Hill, 2013
- 25.Turton, Nigel D. A B C of Common Grammatical Errors. 1995. Macmillan India Ltd., 1996
- 26.Vas, Gratian. English Grammar for Everyone. Mumbai, Shree Book Centre, 2015
- 27.Watson, T. Reading Comprehension Skills and Strategies: Level 6. Saddleback Educational Publishing, 2002

Web link Resources:

- A conversation about household appliances: <https://youtu.be/rAPl0fSborU> 13. Video on psychology: Why do we dream? <https://youtu.be/2W85Dwxx218>
- Video on social media: What is a social media influencer? <https://youtu.be/39A3og7enz8>
- Tips on communication (TED Talk): The Secrets of Learning a New Language https://youtu.be/o_XVt5rdpFY
- Expressing opinions: If Cinderella Were a Guy:
<https://youtu.be/p4OyCNctKXg>
- Video on the English language: Where did English come from?
<https://youtu.be/YEaSxhcns7Y>

BA

Semester II

Table of Content

Sr. No.	Name of Subject	Credits
1.	Major 1: Microeconomics II	4
2.	Major 2: Fundamental of Psychology	4
3.	Major 3: Early Mediaeval Period (mid 350 BCE - 1200 CE)	4
4.	SEC (Economics): Fintech	2
5.	SEC (Psychology): Describing and Graphical Presentation of data	2
6.	SEC (History): Caves in Maharashtra	2
7.	VSC (Economics): Basics of Statistics- I	2
8.	VSC (Psychology): Thinking and Learning Skills	2
9.	VSC (History): Introduction to the History of Indian Coinage	2
10.	AEC हिंदी भाषा – कौशल के आधार	2
12.	AEC मराठी भाषिक कौशल्यांचे उपयोजन	2
13.	AEC: Communication Skills in English I	2
14.	CC Cultural	2
15.	CC Sports	2
16.	CC NSS	2

Major 1

Micro Economics II

Micro Economics – II

Course Credit: 4

1. Production Analysis

(15 Hours)

- a. Production Function: Concept and types: Law of Variable Proportion and Returns to Scale,
- b. Concepts of Total, Average and Marginal Product
- c. Isoquant and Producer's Equilibrium

2. Cost and Revenue Analysis

(15 Hours)

- a. Concepts of Costs: Money and Real Cost, Social Cost, Private Cost, Explicit and Implicit Cost.
- b. Opportunity Cost; Relationship between Average, Marginal and Total Cost
- c. Derivation of Short Run and Long Run Cost Curves
- d. Concepts of Revenue: Types and Interrelationship

3. Factor Pricing

(15 Hours)

- a. Marginal Productivity Theory of Distribution; Rent: Ricardian Theory of Rent, Modern Theory of Rent
- b. Wages: Modern Theory of Wages; Collective Bargaining; Supply Curve of Labour
- c. Interest: Classical Theory of Interest, Loanable Funds Theory of Interest
- d. Profit: Risk and Uncertainty Theory

4. Equilibrium in Different Market Structures

(15 Hours)

- a. Concept of Equilibrium: TR - TC and MR - MC Approach
- b. Markets structures: Perfect and Imperfect competition (Monopoly, Monopolistic Competition and Oligopoly): Features
- c. Equilibrium under various market structures

References:

1. A. Koutsoyannis, (2015), Modern Microeconomics, 2nd edition, Palgrave Macmillan.
2. Paul Samuelson and W. Nordhaus, (2019), Economics, 20th edition: Economics, McGraw Hill Publications.
3. Mankiw M.G (2015), Principles of Micro economics 7th edition - Cengage Learning.
- 4.H.L. Ahuja, (2016) “Advance Economics Theory” S. Chand & Company Ltd.
5. Anindya Sen, (2006), Microeconomics, OUP India Publisher.
6. M. L. Jhingan, (2006), “Microeconomics Theory”, 5th edition, Vrinda Publication
7. Salvator D, (2003) “Microeconomics Theory and Applications” Oxford University Press New Delhi.

Major 2

Fundamentals of Psychology

Fundamentals of Psychology

Course Credit: 4

1. The Science of Psychology (15 Hours)

- a. Nature and Scope of Psychology - Definition and Goals
- b. Modern Perspective-(Psychodynamic, Behavioural, Humanistic, Cognitive, Socio cultural, Bio- psychological, Evolutionary), School of Psychology-(Psychodynamic, Functionalism, and Behaviourism)
- c. Applied fields of Psychology - (Clinical, Counselling, School, Industrial and Organizational, Community and Military)
- d. Psychological Professionals and Areas of Specialization
- e. Rise of Psychology in India

2. Biological View of Psychology (15 Hours)

- a. Neurons and Nervous System - (Types, Structure, and Function) (Structure and Function)
- b. Overview of Neurotransmitters –
- c. The Endocrine System –
- d. Brain stem - Hindbrain and Midbrain
- e. Neuro-imaging Techniques: [a] Mapping structure –CT, MRI, [b] Mapping Function: EEG, MEG, PET, fMRI)

3. Sensation and Perception (15 Hours)

- a. Sensation - Definition, Attributes and Sensory threshold
- b. Perception - The ABCs of Perception: How We Organize Our Perceptions
- c. Depth Perception, Phi-Phenomenon and Gestalt approach
- d. Illusion - Definition, Types and Theories
- e. Application: Extra Sensory Perception

4. Overview of Personality

(15 Hours)

- a. Nature and Definition of personality, Misconceptions about Personality
- b. Theories of Personality: Psychoanalytical Theory, Division of Personality and Psychosexual Stages and Learning Theories Bandura & Rotter Principles of observational learning
- c. The Third Force: Humanism and Personality
- d. Modern Trait Theories of Personality: The Big Five Model
- e. Assessment of Personality - Interviews, Behavioural Assessments, and Personality Inventories

Books:

1. Ciccarelli, S. K., White, J.N., & Mishra, G. (2018). Psychology. 5th Edition; Indian Adaptation. Pearson India Education Services Pvt. Ltd.

References:

- 1) Baron, R.A. and Mishra, G. (2015). Psychology. 5th Edition; Indian Subcontinent Edition. Pearson India Education Services Pvt. Ltd.
- 2) Baron, R. A., & Kalsher, M. J. (2008). Psychology: From Science to Practice. (2nd ed.). Pearson Education inc., Allyn and Bacon
- 3) Ciccarelli, S. K. & Meyer, G. E. (2008). Psychology. (Indian sub-continent adaptation). New Delhi: Dorling Kindersley (India) pvt. ltd.
- 4) Ciccarelli, S. K., & White, J. N. (2017). Psychology. 4th ed. New Jersey: Pearson education
- 5) Feist, G.J., & Rosenberg, E.L. (2010). Psychology: Making connections. New York: McGraw Hill publications
- 6) Feldman, R.S. (2013). Psychology and your life. 2nd ed. New York: McGraw Hill publications
- 7) Feldman, R.S. (2013). Understanding Psychology. 11th ed. New York: McGraw Hill publications
- 8) King, L.A. (2013). Experience Psychology. 2nd ed. New York: McGraw Hill publication.

9) Lahey, B. B. (2012). Psychology: An Introduction. 11th Edi. New York: McGraw-Hill Publications.

10) Myers, D. G. (2013). Psychology.10th edition; International edition. New York: Worth Palgrave Macmillan, Indian reprint 2013.

Major 3

**Early medieval period (mid
350 BCE to 1200 CE)**

Early medieval period (mid 350 BCE to 1200 CE)

Course Credit: 4

1. Mauryan and Post Mauryan Period (322 BCE to 320 CE) (15 hours)

- a. Chandragupta Maurya and Ashoka
- b. Mauryan Administration
- c. Post Mauryan Dynasties- Shunga, Kushana and Satavahana

2. Gupta Age (320 CE to 600 CE) (15 hours)

- a. Imperial Expansion: Chandragupta I, Samudragupta and Chandragupta II
- b. Administration.
- c. Debate of 'Classical Age'

3. Post Gupta Period (600 CE to 1000 CE) (15 hours)

- a. The Age of Harshavardhana
- b. The Rise of Rajputs States
- c. Arab Invasion of Sindh

4. Major Dynasties of Deccan and South India (15 hours)

- a. Pallavas and Cholas
- b. Chalukyas of Vatapi, Rashtrakutas and Chalukyas of Kalyani
- c. Spread of Indian Culture in South-East Asia

References:

1. Agarwal D.P., The Archaeology of India, (Delhi Select Book Services) Syndicate, 1984.
2. Allichin –B-Zidget and F. Raymond, Origin of a Civilization – The History and early Archaeology of South Asia, (Delhi Oxford and IBH), 1994.
3. Ayyanger, S.K., Ancient India and South Indian History Culture, Oriental Book Agency, Pune, 1941.
4. Basham A.L., The Wonder that was India, Rupa& Co., 1998.

5. Bhattacharya N.N., Ancient Indian Rituals and their Social Contents, Manohar Publications, Delhi, 1996.
6. Chakravarty Uma, The Social Dimensions of Early Buddhism, Munshiram Manoharlal, Delhi, 1996.
7. Chakravarty, K.C., Ancient Indian Culture and Civilization, Vora and Company, Bombay, 1952.
8. Jha, D.N., Ancient India in Historical Outline, Motilal Banarasidas, New Delhi, 1974
9. Kautilya, The Arthashastra, Penguin Books, 1987.
10. Kulkarni, Chidambara, Ancient Indian History and Culture, Karnataka Publishing House, Mumbai, 1956.
11. Luniya B.N., Life and Culture in Ancient India, Lakshmi Narain Agarwal, Agra, 1994.
12. Majumdar R.C. and Altekar A.S. ed, The Vakataka- Gupta age, Motilal Banarsidas, Delhi, 1967.
13. Majumdar, R., Ancient India, Motilal Banarasidas Publishers Pvt. Ltd. New Delhi, 1974.
14. Mookerjee, R.K., Ancient India, Allahabad, Indian Press, 1956.
15. Mukherjee, B.N., Rise and Fall of the Kushan Empire, (Kolkata Firma, KLM), 1988.
16. Nandi R.N., Social Roots of Religion in Ancient India, (Kolkata K.B. Bagchi), 1986.
17. Nilkantha Shastri, A History of South India, Madras, 1979
18. Pannikar K.M., Harsha and His Times, D.B. Taraporewalla Sons and Co. Bombay, 1922.
19. Pargitar, F.E., Ancient Indian Historical Tradition, Motilal Banarasidas Publishers Pvt. Ltd. New Delhi, 1962.
20. Pathak, V.S., Historians of India (Ancient India), Asia Publishing, Bombay. 1966.
21. Possell G.L. ed., Ancient Cities of the Indus, Vikas, Delhi, 1979.
22. Sen, S.N., Ancient Indian History and Civilization, Wiley Eastern Pvt. Ltd, New Delhi, 1988.
23. Sharma, L.P., Ancient History of India, Pre- Historic Age to 1200 A.D., Vikas Publishing House, New Delhi, 1981.

24. Sharma, S.R., Ancient Indian History and Culture, Hind Kitab Ltd., Mumbai 1956.

25. Thapar Romila, Ashoka and decline Mauryas, Oxford University Press, London, 1961.

19

Marathi

१. गो. बं. देगलूरकर, प्राचीन भारत, अपर ंंत, २०००

२. रोमिल थ पर, अशोक आमि िौरंांांंचा ह्रास, १९८८

३. मिर शी व िव, सातवाहन आमि पमिि क्षत्रप आमि तरंांांंचे कोरीव लेख, १९७९

४. ढवळीकर मंधुकर केशव, भारताची कुळकथा, २०१७

५. ढवळीकर मंधुकर केशव, कोमंे एके काळी िसांधू सांस्कृती, २००६

SEC (Eco)

FinTech

FinTech
Course Credit: 2

1. Introduction to FinTech (15 hours)

- a. Overview of Fin Tech: Meaning, Historical overview, Scope and Trends FinTech, Financial Inclusion and FinTech
- b. Importance and impact of technology in Financial Services: Fin Tech and India
- c. Fin Tech Ecosystem: Key Players in Fin Tech industry, Fin Tech Business Models

2. Fin Tech: Payment, Digital Finance and Regulation (15 hours)

- a. Emergence of FinTech in Payment Systems: Digital payment, Mobile wallet Payments, Contactless payments, Payment processing and infrastructure
- b. Peer-to-Peer Lending and Crowdfunding: Overview of P2P Lending, Crowdfunding Models
- c. Fintech Startups and entrepreneurship: Launching Fintech Startups, Funding options and venture capital, Success stories and challenges.

References:

1. Kulkarni, Aditya. Auth n Capture: Introduction to India's Digital Payments Ecosystem. Chennai: Notion Press 1st edition, 2021.
2. Maurizio Pompella, Roman Matousek. The Palgrave Handbook of Fin Tech and Blockchain. Palgrave Macmillan Cham, 2021.
3. Mistry, Dr. Komal. Fintech in India. Atlantic Publishers, n.d.
4. Phadke, Mr. Sanjay. Fintech Future: The Digital DNA of Finance. 2020: Sage Publication, n.d.
5. Susanne Chishti, Janos Barberis. The Fintech Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries. Wiley; 1st edition, 2016.

SEC (Psych)

**Describing and Graphical
Presentation of Data**

Describing and Graphical Presentation of Data

Course Credit: 02

1. Measures of Central Tendency and Variability (15 hours)

- a. The importance of Measures of Central tendency. Characteristics of Mean.
- b. Uses and Calculations: Mean, Median, and Mode.
- c. The importance of Measures of Variability. Uses of Standard Deviation and Variance, Range, Quartile.
- d. Z score and its usefulness. Calculation of Variance, SD and Z Score

2. Graphical representation and interpretation of data: Normal Curve and other methods (15 hours)

- a. Characteristics of a Normal distribution and normal curve. Plotting Z Score on normal curve.
- b. Skewness and kurtosis of normal distribution. Box plot.
- c. Line graph, Bar graph
- d. Histogram, Pie Chart

References:

King, B. M., Rosopa, P.J., & Minium, E. W. (2018). Statistical reasoning in the behavioural sciences (7th ed.). John Wiley & Sons Inc.

Ghosh, B.N., (1982). Scientific Methods and Social Research, New Delhi: Sterling Publishers Pvt. Ltd.

SEC(Hist)

Caves in Maharashtra

Introduction to Competitive Examinations

Course Credit: 2

1. Caves: Introduction & Importance

(15 hours)

- a. Introduction, Caves as Source of History
- b. Caves - Origin and Development
- c. Historical significance of Caves

2. Caves in Maharashtra

(15 hours)

- a. Some important caves: Buddhist, Jain & Hindu caves – Kanheri, Ajanta & Ellora.
- b. Painting in Caves
- c. Caves and tourism in Maharashtra

References:

1. Breuil, H. Four Hundred Centuries of Cave Art, London, 1952.
2. Deheja, Vidya, Early Buddhist Rock-Temples. London, 1981.
3. Fergusson, James Burgess, James, Cave temples of India, London, 1880.
4. Nagaraju S. Buddhist Architecture of Western India, Delhi, 1981.
5. Neumayer, Erwin, Prehistoric Indian Rock-Paintings, Bombay, 1984.
6. Soundara Rajan, K.V. Cave Temples of the Deccan, New Delhi, 1981.

मर ठ पुस्तके:

१. गुप्ते, जगद श, प्रागैतिहासिक भारतीय चित्रनका, प्रयग, १९६४.
२. मटेम.श्र. मराठवाड्यातीन निल्पवैभव, मुंबई, १९६४.
३. ब्रमर श, व. ब्र. संनोधमुक्तावनि, सरदुसरा, नगपूर, १९५७.

VSC

Basics of Statistics- I

Basics of Statistics- I

Course Credit: 2

1. Meaning and Types of Data (15 hours)

- a. Meaning and Types of Data Collection-Primary and Secondary sources
- b. National Sample Survey Organization (NSSO), Central Statistical Organization (CSO)
- c. Methods of Sampling - Probability and Non-Probability Sampling.

2. Data Tabulation and Visualization (15 hours)

- a. Parts of Tabulation- Types of Tables Diagrammatic and Graphical Representation
- b. Advantages of Diagrammatic and Graphical Representation
- c. Types of Diagrams- Graphs- Histograms, Frequency Polygons; and Limitations of Diagrams and Graphs
- e. Categorical variables: pie charts and bar graphs.

References:

1. Agarwal, B. L. (2006). Basic statistics. New Age International.
2. Arora, P.N. Sumeet Arora and Amit Arora (2009), Elements of Statistical Methods, Sultan Chand Sons & Company Limited, Ram Nagar, New Delhi.
3. Gupta, S.P. (2002), Statistical Methods, Sultan Chand Sons & Co, New Delhi.
4. Kothari, C. R. (2004). Research methodology. New Age.
5. Moore, D. S. (2010). The basic practice of statistics. Palgrave Macmillan.
6. Pillai R.S. N. & Bagavathi (2007) Statistics-Theory and Practice, S. Chand & Company Ltd, New Delhi -110055.

VSC(Psych)

**Thinking and Learning
Skills**

Thinking and Learning Skills

Course Credit: 2

1. Thinking Skill- Critical Thinking and Creative Thinking (15 Hours)

- a. Introduction to Thinking and Learning Life Skills. Defining Critical Thinking
- b. Importance of Critical Thinking. Practices to build Critical Thinking
- c. Creative Thinking: definition and Stages
- d. Characteristics of a creative individual and Ways to enhance creative thinking

2. Learning skill- Problem Solving and Decision Making (15 Hours)

- a. Defining a problem and its components. Stages of problem solving.
- b. Problem solving strategies. Utilizing Fishbone model for problem solving.
- c. Decision Making: Definition and Process.
- d. Barriers to effective decision making. Models of decision making: POWER Model and 3 Cs Model

References:

Nair, A.R., Ranjan, S., Hardikar, G. & Santhanam, D., (2021). Life Skills: Ready Reckoner. Chennai: Southern Book Star

Robbins, S.P., Judge, T. A., & Vohra, N., (2017). Chennai: Pearson India Education Services Pvt. Ltd.

VSC(Hist)

**Introduction to the History
of Indian Coinage**

Introduction to Indian Archaeology

Course Credit: 2

1. Understanding Coins in India

(15 Hours)

- a. Definition and History of Indian Numismatics
- b. Ancient Indian Coinage: Punch-Marked, Satavahana, Western Kshatrapas, Kushana and Gupta Coins
- c. Medieval Indian coins, Maratha coins, coins of some Princely States, British Indian coins

2. Relevance of Indian Coins

(15 Hours)

- a. Coins of independent India – Fractional currency to decimal system
- b. Contribution of Numismatics to Indian History & culture
- c. Field visit / activity-based learning on coin collection and exhibition

References:

1. Altekar A. S., Coinage of the Gupta Empire, Numismatic Society of India, Varanasi, 1957
2. Altekar A.S., Catalogue of Coins of the Gupta Empire, Varanasi, Numismatic Society of India, 1937
3. Chakraborty, S. K., A Study of Ancient Indian Numismatics, Mymensingh, 1931
4. Datta, Mala, A Study of the Satavahana Coinage, Harman Publishing House, Delhi, 1990
5. Gardener P, The Coinage of the Greek and Scythic Kings of Bactria and India in British Museum, 1986
6. Goyal S R, Indigenous Coins of Early India, Kusumanjali Prakashan, Jodhpur, 1994
7. Handa Devendra, Tribal Coins of Ancient India, Aryan Books International, New Delhi, 1997

8. Jha, Amiteshwar and Dilip Rajgor, Studies in the Coinage of Western Kshatrapas, Indian Institute of Research in Numismatic Studies, Anjaneri, 1994

9. Rajgor, Dilip, Punch-Marked Coins of Early Historic India, Reesha Books, International, 2001

10. Rapson, E J, Catalogue of Coins of Andhra Dynasty, Western Kshatrapas etc., British Museum, London, 1908

11. Sircar D C, Studies in Indian Coins, Motilal Banarasidas, Delhi, 1968

Marathi-

1. ढवळ कर एम के., प्र च न भ रत य न णकशस्त्र, कॉन्ट नेब्लि प्रक शन, मु बई, २०१३.

2. गोब्ल े शोभन , प्र च न भ रत य इब्तह स च स धने, ब्ळक मह र ष्ट्र ब्बद्य प ठ, पुणे, २००८.

3. ब्मर श व .व ., स तव हन आब्ण पब्िाम क्षेत्र प य ा ा च इब्तह स, मह र ष्ट्र र ज्य स ब्हत्य आब्ण स स्कृत म डळ, मु बई, १९७९.

4. प ट िा आशुतोष, पब्िाम क्षेत्रप च न ण , मेववन टेक्नोिााँज स्ट, पुणे, २०१७

AEC

**हिंदी भाषा – कौशल के
आधार**

हिंदी भाषा – कौशल के आधार

Course Credit: 2

इकाई -1:

(15 Hours)

1. लेखन कौशल का अर्थ एवं स्वरूप
2. लेखन कौशल की उपयोगिता एवं महत्व
3. लेखन कौशल की विधियाँ
4. लेखन कौशल के भेद एवं विशेषताएँ
5. वाचन कौशल का अर्थ, स्वरूप एवं विशेषताएँ
6. वाचन कौशल की उपयोगिता
7. वाचन कौशल की विधियाँ एवं विशेषताएँ

इकाई -2:

(15 Hours)

8. भाषण कौशल का अर्थ एवं स्वरूप
9. भाषण कौशल का महत्व एवं उपयोगिता
10. भाषण कौशल की विशेषताएँ
11. भाषण कौशल की विधियाँ
12. श्रवण कौशल का अर्थ एवं स्वरूप
13. श्रवण कौशल का महत्व एवं उपयोगिता
14. श्रवण कौशल की विशेषताएँ

संदर्भ ग्रंथ सूची:

1. हिंदी भाषा शिक्षण के विविध आयाम - प्राध्यापक डॉ. राठौर, किनले एडिशन
2. अभिनव पत्र लेखन - डॉ अनिल सिंह
3. हिंदी के व्यावहारिक रूप - डॉ संतोष मोटवानी, परिदृश्य प्रकाशन, मुंबई

4. हिंदी भाषा लेखन कौशल - गुलीबाबा पब्लिकेशन प्राइवेट लिमिटेड

AEC

**मराठी भाषिक कौशल्यांचे
उपयोजन**

मराठी भाषिक कौशल्यांचे उपयोजन

Course Credit: 2

1. भाषण कौशल्य

(15 Hours)

१. भाषण : संकल्पना, भाषण: स्वरूप वैविध्य, भाषण प्रकार.

२. भाषण कौशल्याचे उपयोजन : भाषणाची पूर्वतयारी, भाषण संहिता (लिखित व मौखिक)

2. निवेदन कौशल्य

(15 Hours)

१. निवेदन : संकल्पना, निवेदनाचे स्वरूप वैविध्य, निवेदनाचे प्रकार.

२. निवेदन कौशल्याचे उपयोजन : निवेदनाची पूर्वतयारी, निवेदन संहिता (लिखित व मौखिक),
काल-परिस्थिती भान, भाषिक-वाचिक कौशल्ये.

संदर्भ पुस्तके:

१. केळकर अशोक, वैखरी : भाषा आणि भाषाव्यवहार, स्नेहवर्धन प्रकाशन, पुणे, २०००.

२. तौर पृथ्वीराज (संपा०), मराठी भाषिक कौशल्य विकास, अथर्व पब्लिकेशन्स, धुळे, २०१८.

३. नसिराबादकर ल० रा०: व्यावहारिक मराठी, भाषा संशोधन केंद्र, कोल्हापूर, २०२३.

४. केळकर अशोक, मध्यमा : भाषा आणि भाषाव्यवहार, मराठी भाषा आणि वाचिक अभिनय, मेहता पब्लिशिंग

हाऊस, पुणे, १९९६.

५. भाषिक सर्जन आणि उपयोजन, राजन गवस, अरूण शिंदे, गोमटेश्वर पाटील, दर्या प्रकाशन, पुणे, २०१२

CC

**Sports, Physical Literacy,
Health and Fitness, and
Yog**

Sports, Physical Literacy, Health and Fitness, and Yog

Course Credit: 2

1.1 Importance of Physical Education and Sports & Yoga (15 Hours)

- a. Development of physical health as well as mental health through Physical Activities.
- b. Group Sports & Fitness Activities
- c. Fitness activities conducted by any sports/fitness instructor such as Yoga, Zumba, Aerobics etc.

1.2 Participation in any Physical activities (15 Hours)

- a. Participation in any sports practice sessions conducted by our college/ any club / any institution
- b. Completion of any Yoga/ Pilates/ Gym course/ any fitness related course
- c. Participation in any other physical activities of the interest of student

2.1 Volunteering in any sports events or fitness events (15 Hours)

- a. Volunteering done in sports or fitness events organized by the college
- b. Volunteering in any other fitness or sports activities organized by NGO or local clubs

2.2 Participation in University or any other Sports competitions (15 Hours)

- a. Participation in University Intercollegiate/ Inter Zonal / West Zone/ All India / National / State tournaments organized by University of Mumbai or State or District Sports Federation
- b. Participation in any other intra college competition organized by college
- c. Participation in any recognized Sports or Fitness competitions

CC

**Foundation and
Exploration of Performing
Fine Arts**

Foundation and Exploration of Performing Fine Arts

Course Credit: 2

1.1 Foundation of Performing Arts (8 Hours)

- a. Introduction to Performing Arts
- b. Historical Evolution and Cultural Significance of Performing Arts
- c. Basic Elements of Performing Arts

1.2 Essential Skill Sets in Performing Arts (7 Hours)

- a. Character Development and Analysis
- b. Emotional Exploration and Expression
- c. Fundamentals of Voice Modulation and Projection
- d. Improvisation Skills
- e. Scene Study and Script Interpretation
- f. Career Options in Performing Arts

2.1 Chronicles of Indian Artistry (8 Hours)

- a. Indus Valley Civilization
- b. Folk and Tribal Art Forms
- c. Impact of Aesthetic Art on Sacred Architecture
- d. Revival and Preservation of Ancient Indian Art

2.2 Contemporary and Modern Art (7 Hours)

- a. Modern Trends in Indian Art
- b. Eminent Contemporary Artists of India
- c. Career Options in Fine Arts

References:

1. Hennessey, B. (2019). The artist's career handbook: A guide to building your career as a visual artist. Allworth Press.

2. Kapila, V. (2002). Indian art: A history. Penguin India.
3. Mitter, P. (2001). Indian art. Oxford University Press.
4. Chekhov, M. (2002). To the actor: On the technique of acting. Routledge.
5. Strasberg, L. (1987). A dream of passion: The development of the method. Plume.
6. Dehejia, V. (1997). Indian art. Phaidon Press.
7. Nath, A. (2013). Preservation of art and architecture in ancient India. Bharatiya Kala Prakashan.
8. Chawla, K. (2010). Opportunities in fine arts careers. Vikas Publishing House.
9. Preece, R. (2011). Careers in art and design. Kogan Page.
10. Dalmia, Y. (2001). The making of modern Indian art: The progressives. Oxford

CC

**Introduction to National
Service Scheme**

Introduction to National Services Scheme

Credit Course: 2

1. Introduction to National Services Scheme (15 Hours)

- a. NSS- History, Philosophy & Need of Emergence
- b. Aims, Objectives, Motto and Emblem of NSS, NSS Theme Song
- c. Organizational Structure of NSS-Hierarchy at different levels (National, State, University, College)
- d. Roles and Responsibilities of Program Officer
- e. Financial Provisions -Grant in Aid for NSS
- f. Advisory committees & their functions

2. NSS Programmes and Activities (Regular activities) (15 Hours)

- a. NSS Programmes and Activities (Special Camp activities)
- b. Yearly Action Plan of NSS Unit
- c. Volunteerism– Meaning, definition, basic qualities of volunteers, need of volunteerism for National development.
- c. Opportunities in NSS for Volunteers (Various Camps)
- d. Report Writing

References:

1. National Service Scheme Manual 2006, Government of India
2. Salunkhe P.B. Ed, Chhatrapati Shahu the Pillar of Social Democracy
3. National Service Scheme Manual, Govt. of India
4. Training Programme on National Programme Scheme TISS
5. Orientation Courses for N.S.S. Programme Officers, TISS
6. Hans Gurmeet, Case Material as a Training Aid for Field Workers
7. Tarachand, History of the Freedom Movement in India Vol. II

8. Kapil K. Krishan, Social Service Opportunities in Hospitals (TISS)
9. Ram, Social Problems in India.
10. Arnold, K. (2018). What is R.E.S.P.E.C.T. When it comes to teamwork? Available at: <https://www.extraordinaryteam.com/what-is-r-e-s-p-e-c-t-when-it-comes-to-teamwork/>
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14. Bauman, D. C. (2013). Leadership and the three faces of integrity. The Leadership Quarterly, 24(3), 414-426.
15. Bishop, W. H. (2013). Defining the Authenticity in Authentic Leadership. The Journal of Values-Based Leadership, 6(1), Article 7. Available at: <https://scholar.valpo.edu/cgi/viewcontent.cgi?article=1077&context=jvbl>
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19. Clarke, N. (2011). An integrated conceptual model of respect in leadership