Certificate Course
UGC NET

Session: 2023-2024

Vision of the Course:

- To equip students with the necessary skills, knowledge, and analytical abilities to excel in teaching and research, thereby preparing them for competitive examinations such as UGC-NET.
- To build a strong foundation in pedagogy, research methodologies, logical reasoning, and higher education policies, fostering a culture of academic excellence.

Mission of the Course:

- To Bridge the Gap Between Curriculum and Competitive Exams.
- To Enhance Employability and Career Prospects.
- To Fostering a Research-Oriented Mindset
- To Promote Lifelong Learning and Professional Growth

Instructor: Asst. Prof. Hembrom Marcel
Duration: 3 months

Syllabus of the Course:

Module 1: Teaching Aptitude (1- Week)

- Teaching: Concept, Objectives, Levels of Teaching
- Learner Characteristics: Adolescent and Adult Learners
- Factors Affecting Teaching
- Methods of Teaching: Teacher-Centered vs. Learner-Centered, Online and Offline Methods
- Teaching Support System: Traditional, Modern, and ICT-based
- Evaluation Systems in Higher Education

Module 2: Research Aptitude (2-Weeks)

- Research: Meaning, Types, and Characteristics
- Positivism and Post-Positivism in Research
- Research Methods: Experimental, Descriptive, Historical, Qualitative, Quantitative
- Steps of Research
- Thesis and Article Writing
- Application of ICT in Research and Research Ethics

Module 3: Comprehension and Communication (2- Weeks)
- Reading and Interpreting a Passage
- Communication: Meaning, Types, and Characteristics
- Effective Communication: Verbal, Non-verbal, Intercultural, Group Communication
- Barriers to Communication
- Mass Media and Society

Module 4: Logical and Mathematical Reasoning (2-Weeks)
- Types of Reasoning
- Number Series, Letter Series, Codes, and Relationships
- Mathematical Aptitude: Fractions, Time & Distance, Ratio, Percentage, Profit & Loss, Interest, Averages
- Logical Reasoning: Argument Forms, Categorical Propositions, Mood and Figure
- Evaluating Deductive and Inductive Reasoning
- Indian Logic and Pramana

Module 5: Data Interpretation and ICT (2-Weeks)
- Sources, Acquisition, and Classification of Data
- Quantitative and Qualitative Data
- Graphical Representation: Bar Chart, Pie Chart, Line Chart, Table
- Data Interpretation and Governance
- ICT: Basics, Digital Initiatives in Higher Education

Module 6: People, Development, and Environment (1 Week)
- Sustainable Development Goals
- Human and Environmental Interaction
- Environmental Issues: Air, Water, Soil, Noise Pollution
- Natural and Energy Resources
- Climate Change and Socio-Economic Impacts
- International Agreements: Kyoto Protocol, Paris Agreement, etc.

Module 7: Higher Education System (1-Week)
- Evolution of Higher Learning and Research in India
- Ancient, Post-Independence, and Contemporary Higher Education
- Professional, Technical, and Skill-Based Education
- Value Education and Environmental Education
- Policies, Governance, and Administration

Module 8: Review and Assessment (1-Week)
- Comprehensive Review of All Modules
- Mock Tests and Evaluations
- Case Studies and Practical Applications
- Feedback and Improvement Strategies