Syllabus for Group -I

PRELIMINARY EXAMINATION
PAPER —I (PRELIMINARY)

GENERAL STUDIES

Marks: 120  No.of Questions:120  Time: 120 Minutes

(A) HISTORY & CULTURE

1. Indus Valley Civilization: Features, Sites, Society, Cultural History, Art and Religion. Vedic Age- Mahajanapadas, Religions-Jainism and Buddhism. The Maghadas, the Mauryan, Foreign invasions on India and their impact, the Kushans. The Sathavahanas the Sangam Age, the Sungas, the Gupta Empire - their Administration- Social, Religious and Economic conditions-Art, Architecture, Literature, Science and Technology.

2. The Kanauj and their Contributions, South Indian Dynasties - The Badami Chalukyas, the Eastern Chalukyas, the Rastrakutas, the Kalyani Chalukyas, the Cholas, the Hoyasalas, the Yadavas, the Kakatiyas and the Reddis.

3. The Delhi Sultanate, the Vijaynagar Empire and the Mughal Empire, the Bhakti Movement and Sufism - Administration, Economy, Society, Religion, Literature, Arts and Architecture.

4. The European Trading companies in India- their struggle for supremacy-with special reference to Bengal, Bombay, Madras, Mysore, Andhra and Nizam, Governor-Generals and Viceroyds.


Dr. B.R. Ambedkar, his life and contribution to making of Indian Constitution, India after Independence - Reorganization of the States in India.
(B) CONSTITUTION, POLITY, SOCIAL JUSTICE AND INTERNATIONAL RELATIONS.

5. Rights Issues (Human rights, Women rights, SC/ST rights, Child rights) etc.
6. India’s Foreign Policy — International Relations — Important Institutions, Agencies and Fora, their structure and mandate - Important Policies and Programmes of Central and State Governments.

(C) INDIAN AND ANDHRA PRADESH ECONOMY AND PLANNING

1. Basic characteristics of Indian Economy as a developing economy – Economic development since independence objectives and achievements of planning - NITI Ayog and its approach to economic development – Growth and distributive justice - Economic development Human Development Index – India’s rank in the world – Environmental degradation and challenges - Sustainable Development - Environmental Policy
5. i) The characteristics/ basic features of Andhra Pradesh economy after bifurcation in 2014 – Impact of bifurcation on the endowment of natural resources and state revenue – disputes of river water sharing and their impact on irrigation – new challenges to industry and commerce - the new initiatives to develop infrastructure – power and transport - information technology and e-governance – Approaches to development and initiatives in agriculture, industry and social sector – Urbanisation and smart cities – Skill development and employment – social welfare programmes

ii) A.P. Reorganisation Act, 2014 – Economic Issues arising out of bifurcation – Central government’s assistance for building a new capital, compensation for loss of revenue, development of backward districts – Issues such as Vizag railway zone, Kadapa steel factory, Dugarajapatnam airport, Express ways and industrial corridors etc., - Special Status and Special Assistance- Controversy - Government’s stand and measure

(D) GEOGRAPHY

1. **General Geography**: Earth in Solar system, Motion of the Earth, Concept of time, Season, Internal Structure of the Earth, Major landformns and their features. Atmosphere-structure and composition, elements and factors of Climate, Airmasses and Fronts, atmospheric disturbances, climate change. Oceans: Physical, chemical and biological characteristics, Hydrological Distasters, Marine and Continental resources.

2. **Physical**: World, India and concerned State : Major physical divisions, Earthquakes, landslides, Natural drainage, climatic changes and regions, Monsoon, Natural Vegetation, Parks and Sanctuaries, Major Soil types, Rocks and Minerals.

3. **Social**: World, India and concerned State : distribution, density, growth, Sex-ratio, Literacy, Occupational Structure, SC and ST Population, Rural-Urban components, Racial, tribal, religious and linguistic groups, urbanization, migration and metropolitan regions.

A. GENERAL MENTAL AND PSYCHOLOGICAL ABILITIES
1. Logical Reasoning and Analytical Ability.
2. Number Series, Coding — Decoding.
3. Problems Related to Relations.
4. Shapes and their Sub-sections, Venn Diagram.
5. Problems based on Clocks, Calendar and Age.
6. Number system and order of Magnitude.
7. Ratio, proportion and variation.
8. Central Tendencies - mean, median, mode — including weighted mean.
9. Power and exponent, Square, Square Root, Cube Root, H.C.F. and L.C.M.
11. Time and Work, Time and Distance, Speed and Distance.
12. Area and Perimeter of Simple Geometrical Shapes, Volume and Surface Area of Sphere, Cone, Cylinder, cubes and Cuboids.
13. Lines, angels and common geometrical figures — properties of transverse and parallel lines, properties of triangles, quadrilateral, rectangle, parallelogram and rhombus.
15. Data interpretation, Data Analysis, Data sufficiency, and concepts of Probability.
17. Social Intelligence, interpersonal skills, Decision making, Critical thinking, problem solving and Assessment of personality.
(B) SCIENCE AND TECHNOLOGY

18. Science and Technology: Nature and Scope of Science & Technology; Relevance of Science & Technology to the day to day life; National Policy on Science, Technology and Innovation; Institutes and Organization in India promoting integration of Science, Technology and Innovation, their activities and contribution; Contribution of Prominent Indian Scientists.

19. Information and Communication Technology (ICT): Nature and Scope of ICT; ICT in day to day life; ICT and Industry; ICT and Governance - Various government schemes promoting use of ICT, E-Governance programmes and services; Netiquettes; Cyber Security Concerns - National Cyber Crime Policy.

20. Technology in Space & Defence: Evolution of Indian Space Programme; Indian Space Research Organization (ISRO) — its activities and achievements; Various Satellite Programmes — Satellites for Telecommunication, Indian Regional Navigation Satellite System (IRNSS), Indian Remote Sensing (IRS) Satellites; Satellites for defence, Eduset or Satellites for academic purposes; Defence Research and Development Organization (DRDO)- vision, mission and activities.


C. CURRENT EVENTS OF REGIONAL, NATIONAL AND INTERNATIONAL IMPORTANCE.