GROUP-I SERVICES

GENERAL STUDIES AND MENTAL ABILITY

(SCR chịENING TEST – OBJECTIVE TYPE)

1. Events of National and International importance.
3. General Science and its applications to the day to day life
   Contemporary developments in Science & Technology and
   Information Technology
5. History of India Ancient, Medieval, Modern – socio-cultural,
   Economic and political affairs with special emphasis on Indian
   National Movement.
6. Indian Polity and Governance; Constitutional issues, public policy
   formulation and implementation, Governance Reforms and e-
   governance initiatives.
7. Economic development in India since Independence- role of
   planning; India’s economic problems such as poverty and
   unemployment, agrarian crisis, irrigation and water, sustainable
   development, inflation and balance of payments, growth with
   stability, growth with Social justice – India’s Economic reforms –
   Banking, Financial, trade and social sector; New challenges in a
   Globalized context – Global competition, Financial market
   instabilities, FDI flows etc.,
8. Environmental degradation and challenges - Sustainable Development
   and Environment Protection.
9. Disaster Management; Vulnerability profile, prevention and
   mitigation strategies Application of remote sensing and GIS in the
   assessment of Disaster.
10. Logical reasoning, analytical ability and data interpretation.
11. Bifurcation of Andhra Pradesh and its Administrative, Economic,
    Social, Cultural, Political, and legal implications/problems, including

    a). Loss of capital city, challenges in building new capital and it’s financial
        implications.
    b). Division and rebuilding of common Institutions.
c). Division of employees, their relocation and nativity issues.
d). Effect of bifurcation on commerce and entrepreneurs.
e). Implications to financial resources of state government.
f). Task of post-bifurcation infrastructure development and opportunities for investments.
g). Socioeconomic, cultural and demographic impact of bifurcation.
h). Impact of bifurcation on river water sharing and consequential issues.
SECTION-III

Vocabulary Usage
- Use the given Idioms and Phrases in your own Sentences
- One Word Substitutes – Recognition and Usage
- Synonyms – Recognition and Usage
- Antonyms – Recognition and Usage
- Words often confused
- Expansion of Proverb /Sayings

SECTION –IV

Composition
- Write a Paragraph using the given Words/Phrases
- Summarizing /Precis Writing
- Essay Writing on Topics of Social relevance
- Description of a given Picture/Symbols
- Letter Writing (Informal & Formal)
- Non-Verbal Communication (Body Language)

PAPER-I

GENERAL ESSAY

Candidate should write three Essays one from each section compulsorily. Each section contains three topics. Each Essay carries 50 marks.

SECTION-I - Crisis management, Social, Economic and Health Problems, Analysis and solutions, Conflict Resolution, Decision Making, Ecological Intelligence.

SECTION-II – Current events of national and international importance.

SECTION-III – Current events relating to the State of Andhra Pradesh
PAPER – II

SECTION – I

HISTORY AND CULTURAL HERITAGE OF INDIA WITH EMPHASIS ON 20TH CENTURY HISTORY OF INDIA


SECTION – II

SOCIAL AND CULTURAL HISTORY OF ANDHRA PRADESH

Life, Religion, Telugu Language, Literature, Learning, Art and Architecture.


5. Bifurcation of Andhra Pradesh and its Administrative, Economic, Social, Cultural, Political, and legal implications/problems, including
   a). Loss of capital city, challenges in building new capital and it’s financial implications.
   b). Division and rebuilding of common Institutions.
   c). Division of employees, their relocation and nativity issues.
   d). Effect of bifurcation on commerce and entrepreneurs.
   e). Implications to financial resources of state government.
   f). Task of post-bifurcation infrastructure development and opportunities for investments.
   g). socioeconomic, cultural and demographic impact of bifurcation.
   h). Impact of bifurcation on river water sharing and consequential issues.

SECTION-III
AN OVERVIEW OF THE INDIAN CONSTITUTION


3) Centre- State relations between Indian Union and States- Administrative, Legislative and Financial- Need for Reforms- Recommendations of Rajmannar, Sarkaria and M.M. Punchchi - Role of NITI Aayog- Is India a Federal or Unitary System? - Powers and Functions of Constitutional Bodies- UPSC, State Public Service Commissions, CAG.


**PAPER - III**

**SECTION – I**

**PLANNING IN INDIA & INDIAN ECONOMY**

1) National income and other macroeconomic aggregates in India– Trends; Sectoral Contribution of Income; Human Development – Indicators – Importance and Measurement.


4) Monetary Policy – Objectives - Functions of Reserve Bank of India (RBI) – Control of Credit – Structure of Indian Banking – Financial Sector Reforms. Trends in Revenue and Expenditures of the Central and State Governments – India’s Public Debt – Analysis of the Union Budget.

5) India’s Economic Problems: Nutrition and balanced diet – provision of Health care and basic education to all financing of infrastructure – PPP; agrarian crisis – migration – urbanization – growth of slums; climatic change; irrigation and water; skill development and demographic dividend; environmental degradation.

SECTION – II

LAND REFORMS & SOCIAL CHANGES IN ANDHRA PRADESH AFTER INDEPENDANCE


2) Structure of the Andhra Pradesh Economy – Sectoral and Regional Analysis – The Extent of Poverty – Agricultural Inputs and Technology.

3) Demographic Features and Social Backwardness – Literacy and Occupational Structure – Changes in the Sectoral Distribution of Income and Employment- Socio-Political and Economic Empowerment of Women.


5) Five Year Plans of Andhra Pradesh – Outlays; Regional Imbalances – Development Strategies in Andhra Pradesh.
SECTION – III

ANDHRA PRADESH ECONOMY, PRESENT STATUS ITS STRENGTHS AND WEAKNESSES

1) Growth and structure of industries in Andhra Pradesh, factories, small and tiny sectors, their composition and growth – problems – remedial measures.


3) Regional disparities in income, industrial output, irrigation, health and education in Andhra Pradesh.


PAPER - IV

SECTION-I

ROLE AND IMPACT OF SCIENCE AND TECHNOLOGY IN THE DEVELOPMENT OF INDIA:

UNIT 1: Science and Technology- Classical and emerging areas their relevance to the day to day life, National Policy of Science and technology and its changes, Importance of science and technology nation Building.

UNIT 2: Nation Policies of Science and Technology- energies in Policies with time, Technology Missions- Basics in Computers in Communication and Broad-costing, Role of the information Technology in rural India, Software Development in Economic Growth, Development of Nanotechnology, Role of Nanotechnology in different areas.

UNIT 3: Space Programme in India, its Applications with Reference to industrial, Agricultural and other rural development activities; INSAR, IRS, EDUSAT, Chandrayan, Mangalayan and other futures Programmes, a role of Space Programme in Agriculture and Rural Development.
UNIT 4: Energy Resources: Energy demands, Indian Energy Sciences
Conventional energy powers, Thermal, renewable energy resources, Solar, wind, Bio and wasted based, energy policies Geothermal and Tidel Sources, energy Policies in India, energy security.

UNIT 5: Current Science & Technology Developments in India, Global Warming and Climate change, Floods, Cyclones and Tsunami, Natural and Manmade Disasters, Tsunami, Mobilization and Industrialization.

SECTION-II

BIOLOGICAL RESOURCES, HUMAN WELFARE AND MODERN TRENDS IN LIFE SCIENCES

UNIT 1: Biological Resources: Plants, animals and Microbes. Outline classification of plants, animals and microorganisms. Microbial resources - History of fermentation development industrially important fermentation products - antibiotics, organic acids, alcohols, vitamins, amino acids. Insulin, and growth hormones.


UNIT 5: Vaccines: Introduction to immunity, Fundamental concepts in vaccination, Production of Modern Vaccines (production of Hepatitis vaccine).
SECTION III
ECOLOGY, NATURAL RESOURCES AND ENVIRONMENTAL ISSUES


UNIT -4: Global Environmental issues and role of information Technology in Environment and Human Health Ozone layer depletion, Acid rain. Climate change and its impacts.


PAPER-V
DATA INTERPRETATION AND PROBLEM SOLVING.


2. Problem Solving using the Following:-
   a) Time and Work, Speed -Time – Distance, Simple and Compound Interest, Calendar and Clock Problems, Blood Relation-Ship and Seating arrangement.
b) Quantitative Aptitude – Number system, Number Sequences, Series, Averages, Ratio and Proportion, Profit and Loss.

c) Coding and Decoding problems: A given word or Group of Letters in English are to be coded or decoded based on the given code (s).

3) Passage Analysis: A duly structured situation will be presented to the candidates and they will be asked to analyze and suggest their own solution to the problem arising out of situation. Alternatively, they may be called upon to prove the understanding of the situation by answering certain searching questions based on the situation.