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Decoding APPSC

GROUP I 2023

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Decoding APPSC Group I 2023

APPSC Group I Vacancy Trend

Year	No. of Vacancies
2023	81
2022	90

APPSC Group I 2023 Vacancies

Post Code No.	Name of the Post	No. of vacancies including carried forward
01	Deputy Collectors in A.P.CivilService (Executive Branch)	09
02	Asst. Commissioner of StateTax in A.P.State Tax Service	18
03	Deputy Supdt. of Police (Civil)Cat-2 in A.P. Police Service	26
04	Deputy Supdt. of Jails (MEN) in A.P. Jail Service	01
05	Divisional /District Fire Officers In State Disaster Response & Fire Services	01
06	Regional Transport Officers in A.P. Transport Service	06
07	District B.C. Welfare Officer in A.P. B.C. Welfare Service	01
08	District Social welfare Officer in A.P Social Welfare Service	03
09	Deputy Registrar in A.P.Cooperative Service	05
10	Municipal Commissioner Grade-II in A.P. Municipal Administration Services	01
11	Assistant Prohibition & Excise Superintendent in A.P Excise Service	01
12	Asst. Treasury Officer/Asst. Accounts Officer in A.P. Treasury & Accounts Service	03
13	District Employment officer in A.P Employment Exchange Service	04
14	Assistant Audit Officer in A.P.State Audit Service	02
	Total vacancies	81

APPSC Group I 2023 Important Dates

Check out all the important dates related to the APPSC Group I Notification 2023 in the following table. The table will be updated soon as per the latest news released by the Andhra Pradesh Public Service Commission(APPSC)

Notification Date	8/12/2023
Online Application Starting Date	01/01/2024
Last Date for Online Application	21/01/2024
Prelims Exam Date	17/03/2024
Mains Exam Date	will be announced later

APPSC Group I 2023 Exam Pattern

SCREENING TEST - WRITTEN EXAMINATION (OBJECTIVE TYPE)

Written Examination (Objective Type) - Degree Standard				
Paper	Subject	No. Of Questions	Duration in Min	Max Marks
Paper - I	General Studies. This paper consists of 04 parts i.e., ABCD each part carries 30 marks A. History and Culture B. Constitution polity, Social Justice and International relations C. Indian and Andhra Pradesh Economy And Planning D. Geography	120	120	120
Paper - II	General Aptitude This paper consists 2 parts i.e., A and B each part carries 60 Marks (Part-A - 60 Marks, Part -B (i) - 30 Marks and (ii) - 30 Marks). A. General Mental Ability, Administrative and Psychological Abilities. B. (i) Science and Technology (ii) Current events of Regional, National and International importance	120	120	120
N.B: For each wrong answer will be penalized with 1/3rd of the marks prescribed for the question.				

MAINS - WRITTEN EXAMINATION (DESCRIPTIVE TYPE)

Paper in Telugu	Qualifying Nature	180 minutes	150 Marks
Paper in English	Qualifying Nature	180 minutes	150 Marks
Paper - I General Essay - on contemporary themes and issues of regional, national and international importance.	-	180 minutes	150 Marks
Paper-II History and Cultural and Geography of India and Andhra Pradesh	-	180 minutes	150 Marks
Paper -III Polity, constitution, Governance, Law and Ethics	-	180 minutes	150 Marks
Paper -IV Economy and Development of India and Andhra Pradesh	-	180 minutes	150 Marks
Paper -V Science, Technology and Environmental Issues	-	180 minutes	150 Marks
INTERVIEW			75 Marks
TOTAL MARKS			825 Marks

PAPER —I (PRELIMINARY) GENERAL STUDIES (DEGREE STANDARD)

(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 Satavahanas 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 Rashtrakutas, the Kalyani Chalukyas, the Cholas, the Hoysalas, 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 Viceroy.
5. Indian War of Independence of 1857 - Origin, Nature, causes, consequences and significance with special reference to Concerned State, Religious and Social Reform Movements in 19th century India and Concerned State, India's Freedom Movement, Revolutionaries in India and Abroad.
6. Mahatma Gandhi, his thoughts, Principles and Philosophy. Important Satyagrahas, the Role of Sardar Patel, Subash Chandrabose in Freedom Movement and Post - independence consolidation.
Dr. B.R. Ambedkar, his life and contribution to the making of Indian Constitution, India after Independence - Reorganization of the States in India.

(B) CONSTITUTION, POLITY, SOCIAL JUSTICE AND INTERNATIONAL RELATIONS.

1. Indian Constitution: Evolution, features, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Amendments, Significant Provisions and Basic Structure.
2. Functions and Responsibilities of the Union and the States, Parliament and State Legislatures: Structure, Function, Power and Privileges. Issues and challenges pertaining to Federal Structure: Devolution of Power and Finances up to local levels and Challenges therein.
3. Constitutional Authorities: Powers, Functions and Responsibilities - Panchayati Raj - Public Policy and Governance.
4. Impact of Liberalization, Privatization and Globalization on Governance - Statutory, Regulatory and Quasi-judicial bodies.
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
2. **National Income** and its concepts and components –India's National Accounts – Demographic issues - Poverty and Inequalities – Occupational Structure and Unemployment - Various Schemes of employment and poverty eradication – Issues of Rural Development and Urban Development
3. **Indian Agriculture** –Irrigation and water – Inputs of agriculture – Agricultural Strategy and Agricultural Policy – Agrarian Crisis and land reforms – Agricultural credit – Minimum Support Prices -Malnutrition and Food Security - Indian Industry - Industrial Policy – Make-in India – Start-up and Stand-up programmes – SEZs and Industrial Corridors – Energy and Power policies – Economic Reforms – Liberalization, Privatisation and Globalization –International Trade and Balance of Payments – India and WTO

4. **Financial Institutions** – RBI and Monetary Policy – Banking and Financial Sector Reforms – Commercial Banks and NPAs – Financial Markets –Instabilities - Stock Exchanges and SEBI – Indian Tax System and Recent changes – GST and its impact on Commerce and Industry – Centre, States financial relations- Financial Commissions – Sharing of resources and devolution – Public Debt and Public Expenditure - Fiscal Policy and Budget
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, Expressways 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 landforms and their features. Atmosphere-structure and composition, elements and factors of Climate, Air Masses and Fronts, atmospheric disturbances, climate change. Oceans: Physical, chemical and biological characteristics, Hydrological Disasters, 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.
4. **Economic:** World, India and concerned State: Major sectors of economy, Agriculture, Industry and Services, their salient features. Basic Industries-Agro, mineral, forest, fuel and manpower based Industries, Transport and Trade, Pattern and Issues.

PAPER - II — GENERAL APTITUDE (DEGREE STANDARD)

(A). GENERAL MENTAL ABILITY, ADMINISTRATIVE 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.
10. Percentage, Simple and Compound Interest, Profit and loss.
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, angles and common geometrical figures — properties of transverse and parallel lines, properties of triangles, quadrilateral, rectangle, parallelogram and rhombus.
14. Introduction to algebra — BODMAS, simplification of weird symbols.
15. Data interpretation, Data Analysis, Data sufficiency, and concepts of Probability.
16. Emotional Intelligence: Understanding and analyzing emotions, Dimensions of emotional intelligence, coping with emotions, empathy and coping with stress.
17. Social Intelligence, interpersonal skills, Decision making, Critical thinking, problem solving and Assessment of personality.

(B)(i) 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) — it's 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.
21. Energy Requirement and Efficiency: India's existing energy needs and deficit; India's Energy Resources and Dependence, Energy policy of India Government Policies and Programmes. Solar, Wind and Nuclear energy
22. Environmental Science: Issues and concerns related to environment; Its legal aspects, policies and treaties for the protection of environment at the national and the international level; Biodiversity- its importance and concerns; Climate Change, International Initiatives (Policies, Protocols) and India's commitment; Forest and Wildlife - Legal framework for Forest and Wildlife Conservation in India; Environmental Hazards, pollution, carbon emission, Global warming. National Action plans on Climate Change and Disaster management. Biotechnology and Nanotechnology; Nature, Scope and application, Ethical, Social, and Legal issues, Government Policies. Genetic Engineering; Issues related to it and its impact on human life. Health & Environment.

(ii) CURRENT EVENTS OF REGIONAL, NATIONAL AND INTERNATIONAL IMPORTANCE

**SYLLABUS FOR GROUP-I MAINS EXAMINATION
ENGLISH (S.S.C STANDARD)**

S No	Type of Question	Marks Allotted
01	ESSAY (A minimum of 200 words and a maximum of 250 words): Choose any one topic from a list of five. (Descriptive/ analytical/ philosophical/ based on Current Affairs)	
02	LETTER WRITING (in about 100 words): A formal letter expressing one's opinion about an issue. The issues can deal with daily office matters/ a problem that has occurred in the office/ an opinion in response to one sought by a ranked officer etc.	
03	PRESS RELEASE/ APPEAL (in about 100 words): The PR or appeal should be on an issue pertaining to a recent concern/problem/disaster/rumours etc.	
04	REPORT WRITING (in about 150 words): A report on an official function/event/field trip/survey etc.	
05	WRITING ON VISUAL INFORMATION (in about 150 words): A report on a graph/image/ flow chart/table of comparison/ simple statistical data etc.	
06	FORMAL SPEECH (in about 150 words): A speech (in a formal style) that is to be read out in a formal function. This could be an inauguration speech, an educational seminar/conference, a formal ceremony of importance etc.	
07	PRECIS WRITING: A precis in about 100 words for a 300-word passage.	
08	READING COMPREHENSION: A reading passage of about 250 words to be given followed by short-answer type questions.	
09	ENGLISH GRAMMAR: Multiple choice questions set from the following list: a. Tenses b. Voice c. Narration (Direct-Indirect) d. Transformation of sentences e. Use of Articles and Determiners	

	<ul style="list-style-type: none"> f. Use of Prepositions g. Use of Phrasal verbs h. Use of idiomatic expressions i. Administrative Glossary j. Synonyms/Antonyms k. One-word substitution l. Cohesive devices/Connectives/Linkers m. Affixes n. Words that cause confusion like homonyms/homophones. 	
10	TRANSLATION: Translation of a short passage (of about 150 words) from Regional Language to English	
	Total	150

TELUGU (S.S.C STANDARD)

S No	Type of Question	Marks allotted
1	ESSAY (A minimum of 200 words and a maximum of 250 words): Choose any one topic from a list of five. (Descriptive/ analytical/Philosophical/ based on Current Affairs)	20
2	To ELABORATE the thought of poetic or verse (any two of the three) (about 100 words)	10
3	PRECIS WRITING: 1/3rd summary of the given passage in your words	10
4	COMPREHENSION: A reading passage of about 250 words to be given followed by short-answer type questions.	10
5	FORMAL SPEECH (Welcome, Farewell, Inauguration etc.) / Speech for the press conference (energy, farm credit, pollution, health related policy or problem) (in about 150 words)	10
6	To PREPARE THE STATEMENTS for publicity media (in about 100 words)	10
7	LETTER WRITING (in about 100 words):(Congratulations/Best wishes/Request/Complaint etc.)	10
8	DEBATE WRITING (in about 150 words) (Newspaper issues / current issues / editorial presenting individual opinion)	10
9	APPLICATION WRITING (in about 150 words)	10
10	REPORT WRITING (in about 150 words)	10
11	DIALOGUE WRITING OR DIALOGUE SKILLS Dialogue between two people (in about 150 words) (Group discussion, work of the meeting, water, agriculture, health, sanitation, education related problems etc.)	10
12	TRANSLATION: Translation from English to Telugu Language	10
13	Grammar of Telugu	20
	Total:	150

PAPER-I - GENERAL ESSAY (DEGREE STANDARD)

The candidates are required to attempt three essays, one from each of the three sections, in about 800 words each.

Objective:

This paper is designed to test candidate's (i) knowledge / awareness of a variety of Subjects and (ii) their ability to compose a sustained piece of writing in the form of an essay.

Contents:**Section - I** (i) Current affairs**Section - II** (i) Socio- political issues

(ii) Socio- economic issues

(iii) Socio- environmental issue

Section - III (i) Cultural and historical aspects

(ii) Issues related to civic awareness

(iii) Reflective topics

Areas of Testing:

This paper would test the following:

1. Ability to compose a well-argued piece of writing
2. Ability to express coherently and sequentially
3. Awareness of the subject chosen

Evaluation / Marking:

Credit will be given for the following:

- a. Observing established rules and format for essay writing
- b. Grammatical correctness of expression
- c. Originality of thought and expression.

PAPER — II: HISTORY, CULTURE AND GEOGRAPHY OF INDIA AND ANDHRA PRADESH
(DEGREE STANDARD)**A. History and Culture of India:**

1. Prehistoric Cultures in India- Indus Valley Civilization- Vedic Culture- Mahajanapadas- Emergence of New Religions- Jainism, Buddhism- Rise of the Magadha and Age of the Mauryas- Ashoka Dharma- Foreign Invasions on India- The Kushans.
The Satavahanas, the Sangam Age in South India- the Sungas- the Guptas- the Kanauj and their Contributions- Historical Accounts of Foreign travelers- Early Educational Institutions.
2. The Pallavas, the Badami Chalukyas, the Eastern Chalukyas, the Rashtrakutas, the Kalyani Chalukyas and the Cholas- Socio Cultural Contributions, Language, Literature Art and Architecture- Delhi Sultanates- Advent of Islam and its Impact- Religious Movements like Bhakti and Sufi and Its Influence.

Growth of Vernacular Languages, Scripts, Literature, Fine Arts- Socio Cultural Conditions of the Kakatiyas, the Vijayanagaras, the Bahmanis, the Qutubshahis and their contemporary South Indian kingdoms.

3. The Mughals Administration, Socio-Religious life and Cultural developments- Shivaji and Rise of Maratha Empire- Advent of Europeans in India.
Trade practices- Rise of East India Company its Hegemony- Changes in Administration, Social and Cultural spheres- Role of Christian Missionaries.
4. Rise of British rule in India from 1757 to 1856 - Land Revenue Settlement, Permanent Settlement, Ryothvari and Mahalwari-1857 Revolt and its Impact-Education, Press, Cultural changes- Rise of National Consciousness and Changes- Socio-Religious Reform Movements in 19th century- Rajaram Mohan Roy, Dayananda Saraswathi, Swami Vivekananda, Annie Besant, Sir Syed Ahmad Khan and others. Rise of Indian Nationalism- Activities of Indian National Congress- Vandemataram, Home Rule Movements- Self Respect Movement- Jyothiba Phule, Narayana Guru, Periyar Ramaswamy Naicker- Role of Mahatma Gandhi, Subhash Chandra Bose, Vallabai Patel- Satyagraha- Quit India Movement- Dr B.R. Ambedkar and his Contributions.
5. Indian Nationalism in three phases- Freedom Struggle 1885-1905, 1905-1920 and Gandhi Phase 1920-1947- Peasant, Women, Tribal and Workers Movements- Role of Different parties in Freedom Struggle- Local and Regional Movements- Inter Religious Unity and Communalism.
Independence and Partition of India- India after Independence- Rehabilitation after partition- Linguistic Reorganization of States- Integration of the Indian States- Indian Constitution- Economic policies- Foreign Policy Initiatives.

B. History and Culture of Andhra Pradesh:

6. **Ancient:** The Satavahanas, the Ikshvakus, the Salankayanas, the Pallavas and the Vishnukundins- -Social and Economic Conditions- Religion, Language (Telugu), Literature, Art and Architecture- Jainism and Buddhism in Andhra. The Eastern Chalukyas, the Rashtrakutas, the Renati Cholas and others- Socio-Cultural life, Religion- Telugu Script and Language, Literature, Art and Architecture.
7. **Medieval:** Socio- Cultural and Religious Conditions in Andhradesa 1000 to 1565 A.D.- Antiquity, Origin and Growth Telugu Language and Literature (Kavitraya- Ashtadiggajas)- Fine Arts, Art & Architecture during the reign of Kakatiyas, Reddis, Gajapatis and Vijayanagaras and their feudatories. Historical Monuments-Significance, Contribution of Qutub Shahis to Andhra History and Culture-Regional Literature- Praja Kavi -Vemana and others.
8. **Modern:** European Trade Establishments in Andhra- Andhra Under the Company Rule- Role of Christian Missionaries- Socio-Cultural, Literary Awakening- C.P. Brown, Thamos Munro, Mackenzie-Zamindary, Polegaty System- Native States and Little Kings. Role of Social Reformers- Gurajada Apparao, Kandukuri Veeresalingam, Raghupati Venkataratnam Naidu, Gidugu Ramamurthy, Annie Besant and others- Library Movement in Andhra Pradesh- Role of News Paper- Folk and Tribal Culture, Oral Traditions, Subaltern Culture, Role of women.
10. **Nationalist Movement:** Role of Andhra leaders- Justice Party, Non-Brahmin Movement- Nationalist and Revolutionary Literature- Gurrām Jashuva, Boyi Bheemanna, Sri Sri, Garimella Satyanarayana, Rayaprolu Subbarao, Unnava Lakshminarayana, Tripuraneni Ramaswamy Choudhary and others. Andhra Mahasabhas, Andhra Movement- prominent leaders- Alluri Sitaramaraju, Duggirala Gopalakrishnaiah, Konda Venkatappayya, Pattabhi Seetaramaiah, Ponaka Kanakamma, Dokka Seethamma- Grandhalaya Movement- Ayyanka Venkataratnam, Gadicherla Harisarvothama Rao, Kasinadhuni Nagesvara Rao- Potti Sreeramulu Formation of Andhra State, 1953- Emergence of Andhra Pradesh, 1956- Andhra Pradesh 1956 to 2014- Causes for Bifurcation, 2nd June 2014 Impact.
10. **Andhra Pradesh:** Bifurcation of Andhra Pradesh and its impact on Administrative, Economic, Social, Political, Cultural and Legal Implications- Loss of Capital City, Building of New Capital and its financial Implications- Division of Employees and their Native Issues-Effect of Bifurcation on Trade & Commerce, Industry – Implication of Financial Resources of State Government. Developmental Opportunities- Socio-Economic, Cultural and Demographic impact of Bifurcation- Impact on River water sharing and other link issues- Andhra Pradesh Reorganization Act.2014- the Arbitrariness of certain provisions.

C. Geography: India and Andhra Pradesh

11. **Physical Features and Resources:** India and Andhra Pradesh, Major landforms, Climatic changes, Soil types, Rivers, Water, Streams, Geology, Rocks, Mineral Resources, Metals, Clays, Construction Materials, Reservoirs, Dams —Forests, Mountains, Hills, Flora and fauna, Plateau Forests, Hill Forests, Vegetation Classification.
12. Economic Geography : Agriculture, Live stocks, Forestry, Fishery, Quarrying, Mining, Household Manufacturing, Industries — Agro, Mineral, Forest, Fuel and man power, Trade and Commerce, Communication, Road Transport, Storage and others.
13. Social Geography: Population Movements and Distribution, Human Habitations, Density, Age, Sex, Rural, Urban, Race, Caste, Tribe, Religion, Linguistic, Urban Migration, Education Characteristics.
14. Fauna and Floral Geography: Wild Animals, Animals, Birds, Reptiles, Mammals, Trees and Plants and others.
15. Environmental Geography: Sustainable Development, Globalization, Temperature, Humidity, Cloudiness, Winds, Special Weather Phenomena, Natural Hazards — EarthQuakes, Landslides, Floods, Cyclones, Cloud Burst, Disaster Management, Impact Assessment, Environmental Pollution, Pollution Management.

PAPER III - POLITY, CONSTITUTION, GOVERNANCE, LAW AND ETHICS

(DEGREE STANDARD)

(A) Indian Polity and Constitution:

1. Indian Constitution and its salient features - Functions and duties of the Indian Union and the State Governments.
2. Issues and challenges pertaining to the Federal structure — Role of Governor in States - Distribution of powers between the Union and States (Union list, State list and Concurrent list) — Issues and challenges.
3. Rural and Urban Local Governance under 73rd and 74th Constitutional Amendment - Constitutional Authorities and their Role.
4. Parliament and State Legislatures — structure, functioning, conduct of business, powers & privileges and issues arising out of these.
5. Judiciary in India — Structure and functions, important provisions relating to emergency and constitutional amendments, judicial review, Public Interest Litigation.

(B) Public Administration and Governance:

6. Meaning, Nature and Scope of Public Administration — Evolution in India —Administrative ideas in Kautilya's Arthashastra; Mughal administration; Legacy of British rule.
7. Government policies and interventions for development in various sectors and issues and problems of implementation.
8. Development processes - the role of civil society, NGOs and other stakeholders Statutory, regulatory and various quasi-judicial authorities - Role of Civil Services in Democracy.
9. Good governance and e-governance- Transparency, accountability and responsiveness in governance — Citizen's Charter. RTI, Public Service Act and their implications, Concept of Social Audit and its importance.

(C). Ethics in Public Service and knowledge of law

10. Ethics and Human Interface: Essence, determinants and Consequences of Ethics in Human actions: dimensions of Ethics: Ethics in Private and Public relationships, Ethics- integrity and Accountability in Public Service.
11. Human values: Understanding the Harmony in existence Human relationships in society and in Nature. Gender Equality in the relationships Role of family, society and Educational Institutions in imparting values to citizens, lessons from the lives and teachings of great leaders, reformers and administrations.
12. Attitude: Content, Functions, its influence and relation with thought and behavior, Moral and Political attitudes, role of Social influence and persuasion. Emotional intelligence- Concepts and their utilities and application in Administration and Governance.
13. Concept of Public Service, "Philosophical basis of Governance professional Ethics in the light of right understanding and Vision for Holistic Technologies, Codes of Ethics, codes of Conduct, RTI, Public Service Act, Leadership Ethics, Work culture, Ethical principles within an Organizational content. - Ethical and moral values in governance, Ethical issues in international relations, corruption, Lokpal, Lokayukta
14. **Basic Knowledge of Laws in India**

Constitution of India: Nature and salient features – Fundamental Rights and Directive Principles of State Policy – Bifurcation of powers between center and state (state list, union list and concurrent list) – Powers of judiciary, executive and legislature.

Civil and Criminal laws: hierarchy of civil and criminal courts in India - difference between substantial and procedural laws – order and decree - new developments in criminal laws, Nirbhaya Act.

Labour Law: Concept of social welfare legislations in India, changing trends in employment and necessity for new labor laws.

Cyber Laws: Information Technology Act – Cyber Security and Cyber Crime – difficulties in determining competent jurisdiction of courts in case of cyber-crimes.

Tax Laws: Laws relating to income, Profits, Wealth Tax, Corporate Tax - GST

Paper — IV — ECONOMY AND DEVELOPMENT OF INDIA AND ANDHRA PRADESH
(DEGREE STANDARD)

- 1) **Major Challenges of Indian Economy** – Inconsistent growth rate, Low growth rates of agriculture and manufacturing sectors, inflation and oil prices, current account deficit and unfavorable balance of payments, falling rupee value, growing NPAs and capital infusion - money laundering and black money - Insufficient financial resources and deficiency of capital, Lack of Inclusive growth and Sustainable development - Nature, causes, consequences and solutions of these problems
- 2) **Resource Mobilization in Indian Economy:** Sources of financial resources for public and private sectors - budgetary resources – tax revenue and non-tax revenue – public debt : market borrowings, loans and grants etc., external debt from multilateral agencies – foreign institutional investment and foreign direct investment – desirability and consequences of utilizing different sources – Monetary and fiscal policies - financial markets and institutions of developmental finance – investment in industries and infrastructure projects - Physical resources – Energy resources
- 3) **Resource mobilization in Andhra Pradesh** – Budgetary resources and constraints - Fulfillment of the conditions of A.P Bifurcation Act – central assistance and issues of conflict - public debt and projects of external assistance - Physical resources - Mineral and forest resources – Water disputes with neighboring states
- 4) **Government Budgeting:** Structure of Government budget and its components –Budgeting process and recent changes - of - Types of budget – types of deficits, their impact and management – Highlights of current year’s union budget and its analysis -GST and related issues – Central assistance to states - Issues of federal finance in India – Recommendations of the latest finance commission -
- 5) **Government budgeting in Andhra Pradesh** – Budget constraints – Central assistance and issues of conflict after bifurcation of the state – management of deficits - - Highlights and Analysis of the current year budget – State finance commission and local finance in Andhra Pradesh
- 6) **Inclusive Growth:** Meaning of inclusion - Causes of exclusion in India – Strategies for and instruments of inclusion : Poverty alleviation and employment , Health and Education, women empowerment, social welfare schemes – Food Security and Public Distribution System – sustainable agriculture - Integrated Rural development -regional diversification
- Public and partnership for inclusive growth – Financial inclusion
All Andhra Pradesh government’s current schemes for inclusive growth and financial inclusion - Public Distribution system and DWCRA
- 7) **Agricultural Development:**
Role of agriculture in economic development – Contribution of to GDP– Issues of finance, production, marketing – green revolution and changing focus to dryland farming, organic farming and sustainable agriculture – minimum support prices – agriculture policy – Swaminathan commission – Rainbow revolution -
- 8) **Agriculture Development in Andhra Pradesh:** Contribution to SGDP-Regional disparities in irrigation and agricultural development -changing cropping pattern - focus on horticulture and fisheries and dairying – Government schemes to promote agriculture in Andhra Pradesh
- 9) **Industrial Development and Policy :** Role of industrial sector in economic development – Evolution of industrial policy since independence - Industrial Policy, 1991 and its impact on Indian economy – Contribution of Public Sector to industrial development in India – impact of liberalization and privatization and globalization on industrial development - Disinvestment and privatization - – Problems of core industries -Micro, small and medium enterprises, their problems and policy – industrial sickness and support mechanism – Manufacturing policy – Make-in India – Start up programme – NIMZs- SEZs, industrial corridors -
- 10) **Industrial Policy of the AP Government** – Incentives to industries – Industrial corridors in and SEZs in Andhra Pradesh - Bottlenecks for industrial development – Power projects
Infrastructure in India: Transport infrastructure : Ports, Roads, Airports, Railways – Major projects of transport infrastructure in India - Communication infrastructure - Information Technology –e-governance - Digital India – Energy and Power – Urban infrastructure – smart cities – urban environment - solid waste management - Weather forecast and disaster management – Issues of finance, ownership, operation and maintenance of all kinds of infrastructure – Public-private partnership and related issues – Pricing of public utilities and government policy – environmental impacts of infrastructure projects
- 11) **Infrastructure Development in Andhra Pradesh** – Transport , Energy and ICT infrastructure – Bottlenecks – Government policy – Ongoing projects.

1. Integration of Science, Technology and Innovation for better human life; Science & Technology in everyday life; National Policies on proliferation of Science, Technology and Innovation; India's contribution in the field of Science and Technology. Concerns and challenges in the proliferation and use of science and technology; Role and Scope of Science and Technology in nation building. Major Scientific institutes for Science and technology in AP and India. Major Scientific Institutes for Research and Development in AP and India. Achievements of Indian Scientists in the field of Science and Technology-Indigenous technologies and developing new technologies.
2. Information and Communication Technology (ICT) - its importance, advantages and challenges; E-governance and India; Cyber Crime and policies to address security concerns. Government of India Policy on Information Technology (IT). IT Development in AP and India.
3. Indian Space Programme - Past, Present and Future; Indian Space Research Organization (ISRO) — its activities and achievements; Satellite Programmes of India and Use of Satellites in different fields like Health, Education, Communication Technology, Weather forecasting affecting human lives; Defence Research and Development Organization (DRDO).
4. India's energy needs, efficiency and resources; Clean energy resources; Energy policy of India - Government Policies and Programmes. Conventional and Non- Conventional energy resources. Energy demands, Indian Energy Sciences, Conventional energy powers, Thermal, renewable energy resources, Solar, wind, Bio and wasted based, energy policies Geothermal and Tidal Sources, energy Policies in India, energy security. Salient features of Nuclear Policy of India; Development of Nuclear programmes in India, Nuclear Policies at the International level and India's stand on them.
5. Development Vs. Nature / Environment; Depletion of Natural Resources- Metals, Minerals — Conservation Policy. Environmental Pollution Natural and Anthropogenic and Environmental degradation. Sustainable Development — possibilities and challenges; Climate Change and Its effect on the world; Climate justice — a global phenomenon; Environment Impact Assessment, Natural Disasters — Cyclones, EarthQuakes, Landslides & Tsunamis — Prediction Management. Correlation between Health & Environment, Social Forestry, Afforestation and deforestation, Mining in AP and India. Types of Natural resources- renewable and Nonrenewable. Forest resources. Fishery resources. Fossil Fuels- Coal, Petroleum and Natural Gas. Mineral resources. Water resources — Types, Watershed management. Land resources — types of soils and soil reclamation.
6. Environmental pollution and Solid waste management: Sources, impacts and control of - air pollution, water pollution and soil pollution. Noise pollution Solid waste management - Types of solid waste, impacts of solid waste, recycling and reuse. Remedial measures for Soil erosion and Coastal erosion. Global Environmental issues and role of information Technology in Environment and Human Health, Ozone layer depletion, Acid rain, Global Warming and its impacts. Environmental legislation: International Law, Montreal protocol, Kyoto protocol, United Nations Framework Convention on Climate change, CITES. The Environment (Protection) act 1986, Forest conservation Act, Wildlife protection act. Biodiversity Bill of India - cop 21 - Sustainable Development Goals - National Disaster Management Policy, 2016 of India and Disaster management initiatives in India. White Revolution, Green Revolution, and Green Pharmacy.
7. Nature, Scope and Applications of Biotechnology and Nanotechnology in India; Ethical, Social and Legal concerns, Government policies; Genetic engineering, issues related to it and its impact on human life. Bio - diversity, fermentation, Immuno - diagnosis techniques.
8. Human diseases-microbial infections. Common infections and preventive measures. Introduction to bacterial, viral, protozoal and fungal infections. Basic knowledge of infections-diarrhea, dysentery, cholera, tuberculosis, malaria, viral infections like HIV, Encephalitis, Chikungunya, bird flu-preventive measures during outbreaks. Introduction to Genetic Engineering and Biotechnology. Basic concepts of genetic engineering. Tissue culture methods and applications. Biotechnology in agriculture- Bio-pesticides, Bio-fertilizers, Bio-fuels, genetically modified crops. Animal husbandry-transgenic animals. Vaccines: Introduction to immunity, Fundamental concepts in vaccination, Production of Modern Vaccines (production of Hepatitis vaccine).
9. Issues related to Intellectual Property Rights in the field of Science and Technology. Promotion of Science in AP and India.

APPSC Group I 2022 Prelims Previous Year Question Paper 1

Part A

History and Culture

Q1. During the Indus Valley Civilization, the beads manufacturing industry was located at

- (1) Dholavira
- (2) Suktagendor
- (3) Chanhudaro
- (4) Daimabad

Q2. Select the correct statements about religious beliefs of the Rig Vedic Period :

- I. Dyus was a celestial God of the Rig Vedic Aryans similar to Jupiter of the Greeks.
- II. Prithvi was considered as the mother of all Gods.
- III. Agni was worshiped as the intermediary of taking the offerings to the deities.
- IV. Cow sacrifice was also a part of worship.

- (1) I, III and IV only
- (2) II, III and IV only
- (3) I, III and IV only
- (4) I, II and IV only

Q3. Match the following schools of philosophies with their theories :

- | | |
|----------------|--|
| a. Sankhya | I. Predetermined fate theory |
| b. Vaisheshika | II. World was formed by the blending of nature |
| c. Lokayata | III. Considered Atom as basis of the world |
| d. Ajivika | IV. Advocated materialistic ideology |

Choose the correct answer using the codes given below:

- | a | b | c | d |
|---------|-----|----|-----|
| (1) II | IV | I | III |
| (2) II | III | IV | I |
| (3) IV | III | II | I |
| (4) III | I | IV | II |

Q4. Hathigumpha inscription of Kharavela gave the details of irrigation facilities provided in the Kalinga Region by

- (1) Mahapadma Nanda
- (2) Bimbisara
- (3) Ajatshatru
- (4) Ashoka

Q5. Select the correct statements regarding the inscriptions of Ashoka :

- (1) They are in Brahmi, Kharosthi, Greek and Aramaic scripts.
- (2) The Monarch's name was mentioned as Ashoka only in Maski and Gurjara inscriptions.
- (3) The XIII Rock edict mentioned the names of the five Greek Rulers as his contemporaries.
- (4) The IV and V edicts mentioned the war of succession with his brothers.

Q6. Match the following books with their authors:

- | | |
|------------------------|------------------------|
| a. Prajnaparamita | I. Acharya Kundakunda |
| b. Samayasara | II. Sarva Varma |
| c. Lilavati Parinayam | III. Acharya Nagarjuna |
| d. Katantra Vyakaranam | IV. Kuthuhala |

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|-----|-----|-----|----|
| (1) | III | I | II | IV |
| (2) | I | III | IV | II |
| (3) | III | I | IV | II |
| (4) | I | II | III | IV |

Q7. Which of the following was **not** the feature of the Guilds during the Gupta Period?

- (1) Minted Coins
- (2) Non-Autonomous Bodies
- (3) Maintained Armed Bodies
- (4) Worked nu Bankers

Q8. The account of Greek (Yavana) invasion during the reign of Pushyamitra Sunga is available in :

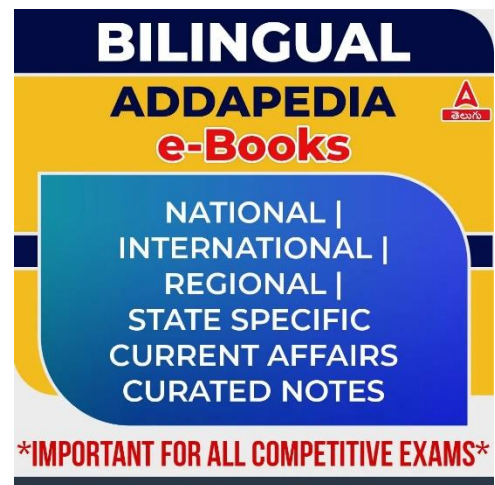
- I. Gargi-Samhita
- II. Patanjali-Mahabhashya
- III. Kalidasa-Malavikagnimitra
- IV. Vishakhadatta-Mudrarakshasa

Choose the correct answer using the codes given below:

- (1) I, II and III
- (2) II, III and IV
- (3) I, III and IV
- (4) I, II and IV

Q9. Choose the correct statement regarding Nalanda University at the time of Harshavardana :

- (1) Silabhadra was the Chancellor of the university.
- (2) The numbers of teachers in the university were 15,000.
- (3) Silabhadra was the Chancellor of the university.
- (4) The medium of instruction was Pali.



Q10. Match the following taxes:

Name		Tax
a. Navidadere	I.	Tax on Marriage
b. Melivamsam	II.	Tax on Barbers
c. Manevana	III.	Tax on Ploughs
d. Tudimeya	IV.	Tax on Houses

Choose the correct answer using the codes given below:

	a	b	c	d
(1)	II	III	IV	I
(2)	II	III	III	I
(3)	I	III	IV	II
(4)	IV	II	I	III

Q11. Arrange the following temples of Ellora in chronological order according to their time of construction :

- I. RavankiKhai
- II. Kailasanatha
- III. Dashavatara
- IV. DumarLena

Choose the correct answer using the codes given below:

- (1) II, IV, III, I
- (2) I, III, IV, II
- (3) III, I, IV, II
- (4) III, IV, II, I

Q12. Match the following terms with their Meaning related to village administration of the Cholas:

Choose the correct answer using the codes given below:

	a	b	c	d
(1)	IV	I	III	II
(2)	II	III	I	IV
(3)	IV	I	II	III
(4)	I	IV	III	II

Q13. Which of the following highways existed during the rule of Kakatiyas?

- I. Orugallu-Tripuranthakam-Nellore
- II. Dwarasamudra-Ballari-Orugallu
- III. Motupalli-Tripuranthakam-Ballari
- IV. Palnadu-Nalgonda-Nekarikallu-Orugallu

Choose the correct answer using the codes given below:

- (1) I and II only
- (2) II and III only
- (3) III and IV only
- (4) I and IV only

Q14. Which of the principles are common for the Bhakti and Sufi movement?

- I. Monotheism
- II. Asceticism
- III. Religious tolerance
- IV. Accepted the idol worship to some extent

Choose the correct answer using the codes given below:

- (1) I, II and III only
- (2) II, III and IV only
- (3) I, III and IV only
- (4) I, II and IV only

Q15. Choose the *incorrect* pair regarding the foreign chronicles of the Vijayanagara Period :

- (1) Abdur Razzag - Described the conditions during the reign of Devaraya II
- (2) Domingo Paes - Described the rule of Krishna Devaraya
- (3) Caesar Frederick - Wrote about the conditions of Vijayanagara after the battle of Rakshasa Tangadi
- (4) Nikitin - Visited during the reign of Achyuta Devaraya

Q16. The Vijayanagara ruler who permitted Jesuits to build churches at Nellore and Chandragiri was

- (1) Devaraya II
- (2) VenkatapatiRaya II
- (3) Thirumala Raya
- (4) Sadosiva Raya II

Q17. Which of the following incidents took place during the reign of Jahangir?

- I. The fifth Sikh Guru, Adan Dev was sentenced to death
- II. Victory over Rajputs of Mewnr
- III. Annexation of Kabul and Kandahn
- IV. Arrival of English East India Company to India

Choose the correct answer using the codes given below:

- (1) I, II and III only
- (2) II, I II and IV only
- (3) I, III and IV only
- (4) I, II and IV only

Q18. Match the following revenue officials during the reign of Akbar with their duties

- a. Amalguzar - I. Kept records of the revenue payable by the villages
- b. Karkuns - II. Revenue Collector in-charge of a District
- c. Qanunge - III. Accountant
- d. Bitikehi - IV. Prepared the seasonal crop statistics

Choose the correct answer using the codes given below:

	a	b	c	d
(1)	II	IV	I	III
(2)	II	IV	III	I
(3)	IV	II	I	III
(4)	III	I	IV	II

Q19. The longest Trunk Road constructed by Sher Shah which still exists is

- (1) Agrato Burhanpyy
- (2) Indus to Sonargag
- (3) Agra to Chittoor
- (4) Lahore to Multan

Q20. Match the following books with their authors :

- a. India at the Death Of Akbar I. Irfan Habib
- b. The Agrarian System of Mughal India,1556-1707 II. Francois Bernier
- c. Travels in the Mogul Empire: AD 1656-1668 III. William Foster
- d. Early Travels in India, 1583 -IV. Moreland 1619

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|-----|-----|-----|-----|
| (1) | IV | III | II | I |
| (2) | III | I | IV | II |
| (3) | IV | I | II | III |
| (4) | II | IV | III | I |

Q21. The following historian contended that Taj Mahal is a combination of European and Asiatic genius :

- (1) Ralph Fitch
- (2) Tavernier
- (3) V.A.Smith
- (4) Fergusson

Q22. Match the following with the year they were formulated :

- | | | |
|---|------|------|
| a. Famine Code | I. | 1881 |
| b. Vernacular Press Act | II. | 1878 |
| c. Charles Wood's Dispatch on Education | III. | 1883 |
| d. 1 st Factory Act | IV. | 1854 |

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|-----|-----|----|-----|
| (1) | III | IV | II | I |
| (2) | I | II | IV | III |
| (3) | IV | III | I | II |
| (4) | III | II | IV | I |

Q23. Arrange the following incidents of Rebellion against East India Company in the State of Hyderabad in chronological order:

- I. Attack of Turrebaz Khan on British Residence in Hyderabad
- II. Imprisonment of Mubariz-ud-Daulain Golconda Fort
- III. In Aurangabad, 1st Contingent Cavalry was suspected, disarmed and arrested
- IV. The rebellion of Raja Venkatappa Nayaka of Shorapur

Choose the correct answer using the codes given below:

- (1) IV, III, I, II
- (2) II, III, I, IV
- (3) II, I, III, IV
- (4) I, II, IV, III

Q24. Match the following Presidents of Indian National Congress with their meetings :

- | | | |
|-----------------------|------|----------------|
| a. Dadabhai Naoroji | I. | Madras-1887 |
| b. Badruddin Tyabji | II. | Bombay-1889 |
| c. George Yule | III. | Allahabad-1888 |
| d. William Wedderburn | IV. | Calcutta-1886 |

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|-----|-----|-----|----|
| (1) | IV | III | I | II |
| (2) | III | II | IV | I |
| (3) | IV | I | III | II |
| (4) | II | I | III | IV |

Q25. The with following book was translated by Gandhi the title Sarvodaya

- (1) John Rughin - Unto This Last
- (2) Leo Tolstgy - The Kingdom of God is Within You
- (3) Karl Marx - Das Kopital
- (4) Maxim Gorky - The lower Depths

Q26. Match the following newspapers with the persons associated with them :

- | | | |
|-----------------------|------|------------------------|
| a. Indian Sociologist | I. | Virendra Chattopadhyay |
| b. Islamic Fraternity | II. | Shyamji Krishna Varma |
| c. The Talwar | III. | Muhammad Barkatullah |
| d. Swadesh Sevak | IV. | G.D.Kumar |

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|----|-----|----|-----|
| (1) | II | III | I | IV |
| (2) | IV | III | II | I |
| (3) | II | IV | I | III |
| (4) | II | III | I | IV |

Q27. The idea of Indian Constituent Assembly was put forward for the first time by

- (1) Dr.BR Ambedkar
- (2) CR Das
- (3) G.B. Pant
- (4) MN.Roy

Q28. Match the following authors with their works :

- | | | |
|--------------------|------|---------------------|
| a. Al-Biruni | I. | Tariqh-i-FirozShahi |
| b. Minhaj-us-Siraj | II. | Tahqiq-i-Hind |
| c. Ziauddin Barani | III. | TheRihla |
| d. IbnBattuta | IV. | Tabaqat-i-Nasiri |

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|-----|----|-----|-----|
| (1) | II | IV | I | III |
| (2) | IV | II | I | III |
| (3) | II | IV | III | I |
| (4) | III | I | IV | II |

Q29. Which of the following institutions were **not** established during the Non-Cooperation Movement?

- I. Besant Theosophical College, Madanapalle
- II. Jamia MilliaIslamia, Delhi
- III. Kashi Vidyapith, Benaras
- IV. Aligarh Muslim University, Aligarh

Choose the correct answer using the codes given below:

- (1) I and IV only
- (2) I and III only
- (3) III and IV only
- (4) I and IV only

Q30. The Indian Independence Bill] was introduced in the House of Commons by the British Prime Minister Attlee on
 (1) 2nd July, 1947
 (2) 3rd July, 1947
 (3) 4th July, 1947
 (4) 5th July, 1947

Part - B
Constitution, Polity, Social Justice and International Relations

Q31. Which of the following statements is correct with respect to the State Finance Commission?

- I. It is required to appoint a State Finance Commission once in five years.
 - II. It recommends the determination of taxes, duties, tolls and fees assigned to the Panchayats and Municipalities.
 - III. Article 243 deals with the constitution of the finance commission to review the financial position of Panchayats.
- Choose the correct answer using the codes given below:

- (1) II, III and IV
- (2) I, II and III
- (3) I and II
- (4) All of the above

Q32. Which of the following Amendment(s) provide(s) for reservation in jobs and admissions?

- (1) 77th
- (2) 82nd
- (3) 81st
- (4) All of the above

Q33. Consider the following Assertion (A) and Reason (R) and choose the correct code :

Assertion (A):

The President is the executive power of the Union.

Reason(R):

The executive power of the Union shall be vested in the President and shall be exercised by him either directly or through officers subordinates to him in accordance with the Constitution.

Code:

- (1) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (2) Both the correct (A) and (R) true, but (R) not the correct explanation of (A).
- (3) A s true, but (R) is false
- (4) A is false, but (R) is true.

Q34. Which of the following statements related to the Central Administrative Tribunal are correct?

- I. It is a statutory body.
- II. Its members are drawn from administrative background only.
- III. It is not bound by the procedure prescribed in the Code of Civil Procedure.
- IV. Its jurisdiction covers the members of All-India services as well as Central services and Central Government posts.

V. It was set up in 1985.

Choose the correct answer using the codes given below :

- (1) I, III, IV and V
- (2) I and IV
- (3) I,III,IV and V
- (4) II and III

Q35. Which of the following statements is *not* one of the powers of the Speaker of the Legislative Assembly?

- (1) He has no veto except in case of a tie.
- (2) A Speaker may be removed from office by & resolution of the Assembly passed by & majority of all the then members of the Assembly after fourteen days notice of the intention to move such resolution.
- (3) The Speaker vacates his office if he ceases to be a member of the Assembly.
- (4) The Speaker will preside when a resolution for his removal from office is under consideration of the Assembly.

Q36. The powers of the Election Commission include which of the following?

- I. The Election Commission takes decisions on every aspect of conduct and control of elections from the announcement of elections to the declaration of results.
- II. During the election period, the Election Commission can order the Government to dismiss some government officials.
- III. When on election duty, Government officers work under the control of the Election Commission.

Choose the correct answer using the codes given below:

- (1) I and III only
- (2) I and III only
- (3) I Only
- (4) All of the above

Q37. What is/are the provision(s) to safeguard the autonomy of the Supreme Court of India?

- I. While appointing the Supreme Court Judges, the President of India has to consult the Chief Justice of India.
 - II. The Supreme Court Judges can be removed by the Chief Justice of India only.
 - III. The salaries of the Judges are charged on the Consolidated Fund of India on which the legislature does not have to vote, which of the statements given above is/are correct?
- I. I and III only
 - II. I and II only
 - III. III only
 - IV. I, II and III

Q38. Which of the following are *not* included in the original jurisdiction of the Supreme Court ?

- I. A dispute between two or more States.
- II. A dispute regarding elections to either House of the Parliament or that of Legislature of a State.
- III. A dispute between the Government of India and a Union Territory.
- IV. A dispute between the Government of India and one or more States.

Choose the correct answer using the codes given below:

- (1) I and II
- (2) II and III
- (3) I and IV
- (4) III and IV

Q39. The National Commission for Scheduled Castes, while investigating any matter or inquiring into any complaint, has the powers on the following matters :

- I. It can receive evidence on affidavits.
- II. It can requisition any public record from any court or office.
- III. It can issue summons for the examination of witnesses and documents.

Choose the correct answer using the codes given below:

- (1) I and II only
- (2) II and III only
- (3) I and III only
- (4) All of the above

Q40. Consider the following Assertion(A) and Reason (R) and choose the correct code :

Assertion (A):

The Parliament of India consists of the President and two Houses.

Reason(R):

The President is a part of the legislature even though he does not sit in Parliament

Code:

- (1) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (2) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
- (3) (A) is true, but (R) false.
- (4) (A) is false, but (R) is true.

Q41. Which of the following are among the Fundamental Duties of citizens laid down in the Indian Constitution?

- I. To protect the weaker sections from social injustice.
- II. To develop a scientific temper and spirit of inquiry.
- III. To preserve the rich heritage of our composite culture.
- IV. To safeguard public property and abjure violence.

Which of the statements given above are correct?

- (1) II and III only
- (2) I and III only
- (3) II, III and IV
- (4) All of the above

Q42. Which of the following entries of the Indian Constitution deals with the institutions for scientific or technical education financed by the Government of India, wholly or in part, and declared by Parliament, by law to be institutions of national importance?

- (1) Entry 64
- (2) Entry 63
- (3) Entry 65
- (4) Entry 66

Q43. Who said "India is not a nation in the traditional western sense but of a comprehensive culture of continental scope composed of a very large number of linguistic and religious entities, highly complex and often strongly antagonistic local cultures?"

- (1) Carl Friedrich
- (2) P.H. Appleby
- (3) Woodrow Wilson
- (4) Jawaharlal Nehru

Q44. The Constitution confers which of the following Articles that denies the rights to aliens (Foreign Citizens)?

- (1) Articles 20 and 30
- (2) Article 19
- (3) Articles 25 and 24
- (4) Article 16

Choose the correct answer using the codes given below:

- (1) II and III only
- (2) I, II and IV only
- (3) III and IV only
- (4) All of the above

Q45. Consider the following statements:

- I. The Preamble was enacted before the enactment of the entire Constitution.
- II. The Preamble is a part of the Constitution but has no legal effect independently of other parts.
- III. It is enforceable through Courts of Law.
- IV. The Objective Resolution by Jawaharlal Nehru finally became the foundation for the Preamble.

Which of the statements given above are incorrect?

- (1) I and II only
- (2) II and IV only
- (3) I and III only
- (4) I, II and III only

Q46. Which of the following statement(s) is/are correct?

- I. The PM CARES for Children Scheme was launched by the Prime Minister of India on 29th May, 2021 for the children.
- II. It aims to support children who have lost both the parents or legal guardians or adoptive parents or surviving parents to Covid-19 pandemic.

Choose the correct answer using the codes given below:

- (1) Both I and II
- (2) Neither I nor II
- (3) I only
- (4) II Only

Q47. With child labor being made illegal and the right to education becoming a fundamental right for children, this right against exploitation has become more meaningful.

Which of the following pairs of Articles provide for the right to education and prohibition of child labor respectively?

- (1) Articles 21A and 24
- (2) Articles 21A and 24
- (3) Articles 23 and 24
- (4) Articles 14 and 19

Q48. Consider the following statements regarding GST :
I. GST will bring more transparency to direct tax laws.
II. GST was the 122nd Constitutional Amendment Bill introduced in the Parliament.
III. GST is a destination-based tax.
Which of the statements given above is/are correct?
(1) I and III only
(2) II only
(3) II and III only
(4) I, II and III

Q49. Which of the bodies recommends the distribution of the net proceeds of taxes to be shared between the Centre and the States, and allocation between the States, the respective shares of such proceeds?
(1) NITI Aayog
(2) Finance Commission of India
(3) Inter State Council
(4) National Development Council

Q50. Which of the following is not the function of the National Commission for Scheduled Castes?
I. Providing constitutional protection to Scheduled Castes.
II. To submit the report to the Prime Minister related to the protection of Scheduled Castes.
III. To investigate any case that violates interests of Scheduled Castes
IV. None of the above

Q51. Which of the following is not a function of the Union Public Service Commission (UPSC)?
(1) Conduct examinations for appointments to the services of the Union
(2) Calculation on all disciplinary matters
(3) Method of recruitment
(4) Manner of reservation

Q52. Which of the following subjects are listed in the 11th Schedule?
I. Women and Child Development
II. Public Distribution System
III. Libraries
IV. Slum Improvement and Upgradation
V. Markets and Fairs

Choose the correct answer using the codes given below
(1) I, II and V
(2) I, II, III and IV
(3) I, II, III and V
(4) All of the above

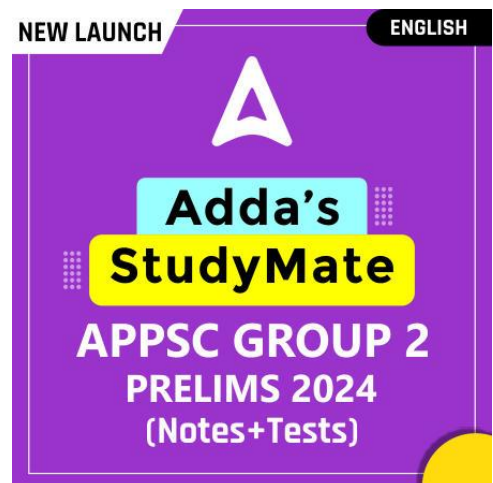
Q53. Which of the following statements Is/are correct about the National Green Tribunal?
I. It was set up under the National Green Tribunal Act, 2010.
II. NGT is bound by the procedure laid down under the Code of Civil Procedure, 1908.
III. NGT has six places of sitting throughout the country,

Choose the correct answer using the codes given below
(1) I only
(2) II and III only
(3) I and II only
(4) I, II and III

Q54. With reference to the Protection of Human Rights (Amendment) Act, 2019, consider the following statements about National Human Rights Commission (NHRC) :
I. Judge of the Supreme Court can now be appointed as Chairperson of the Commission.
II. Term of the Chairperson and members shall be three years.
III. Chairperson and members shall be eligible for re-appointment.
Which of the above statements is/are correct?
I. I and II only
II. II and III only
III. I, II and III
IV. I only

Q55. With reference to the National Commission for Minorities, consider the following statements:
I. It was get up under the National Commission for Minorities Act, 1992.
II. The Ministry of Welfare has notified five religious communities under "Minority" status, to date.
III. It can make recommendations for the effective implementation of safeguards for the protection of minorities by Central or State Governments.
Which of the above statements are correct?
(1) I and II only
(2) II and III only
(3) I, II and III
(4) I and III only

Q56. Recently, the 'Chicago Convention' is frequently seen in the news Which of the following associated with it
(1) Carbon, Capture
(2) Civil Aviation
(3) Merchant Shipping
(4) Chlorofluorocarbons



Q57. With reference to the Competition Commission of India, consider the following statements :

I. It is a statutory body established under Competition Act, 2002 as amended by the Competition (Amendment) Act, 2007.

II. It consists of a chairperson and five members appointed by the Central Government.

Which of the above statements is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q58. National Bank for Agriculture and Rural Development (NABARD) was established on the recommendation of which of the following Committee?

- (1) Sivaraman Committee
- (2) Santhanam Committee
- (3) Sarkaria Committee
- (4) Rajamannar Committee

Q59. 'World Competitiveness Index' is released by which of the following organizations?

- (1) Institute for Management Development
- (2) United Nations Development Programme
- (3) World Economic Forum
- (4) World Bank

Q60. Kautilya categorizes the Governments and Heads of Departments into 18 tirthas. Amongst these "Dandapala" is the

- (1) Magistrate
- (2) Chief Council of Ministries
- (3) Officer of the Army Department
- (4) Guardian of the Forts

Part- C

Indian and Andhra Pradesh Economy and Planning

Q61. Given below are two statements, one labeled as Assertion (A) and the other labeled as Reason (R). Select your answer from the codes given below.

Assertion (A):

There is a structural change in the composition of National Income in India.

Reason(R):

The process of economic growth was initiated in India.

Codes:

- (1) Both (A) and (R) are true and (R) is the correct explanation for (A)
- (2) Both (A) and (R) are true, but (R) is not the correct explanation for (A).
- (3) (A) is false, but (R) is true.
- (4) (A) is true, but (R) is false.

Q62. The economist who said that the "Net Social Product and the Social Income are one and the same thing" is

- (1) Adam Smith
- (2) Alfred Marshall
- (3) P.A Samuelson
- (4) J.R. Hicks

Q63. Given below are two statements, one labeled Assertion (A) and the other labeled as Reason (R). Select your answer from the codes given below.

Assertion(A):

Per Capita Income decreases in a developing country even though National Income increases.

Reason(R):

The rate of growth of population is higher than the rate of growth of National Income.

Codes:

- (1) Both (A) and (R) are true and (R) is the correct explanation for (A).
- (2) Both (A) and (R) are true and (R) is the correct explanation for (A)
- (3) (A) is true, but (R) is false.
- (4) (A) is false, but (R) is true.

Q64. During which Five Year Plan was the rate of growth of Gross Domestic Product the highest ?

- (1) 9th Five Year Plan
- (2) 10th Five Year Plan
- (3) 11th Five Year Plan
- (4) 12 Five Year Plan

Q65. Which of the following is **not** a feature of MGNREGS?

- I. Guaranteed minimum wage employment
 - II. Rights-based employment scheme
 - III. Generation of wage employment in rural areas
 - IV. Provision of nutritious food
- Choose the correct answer using the codes given below
- (1) I, II, and IV
 - (2) I, III and IV
 - (3) II, III and IV
 - (4) I, II and III

Q66. What is the age-group of higher proportion of working population required for Demographic Dividend years

- (1) 15 - 64 years
- (2) 18 - 65 years
- (3) 18 - 60 years
- (4) 15 - 60 years

Q67. Which of the following are the objectives of Beti Bachao, Beti Padhao ?

- I. To provide legal assistance to girls
 - II. To reduce decline in Child Sex Ratio
 - III. To encourage women empowerment
 - IV. To remove gender inequality
- Choose the correct answer using the codes given below:
- (1) I, II and III
 - (2) II, III and IV
 - (3) I, II and IV
 - (4) I, III and IV

Q68. Given below are two statements, one labeled as Assertion (A) and the other labeled as Reason (R). Select your answer from the codes given below.

Assertion (A):

National Income growth fluctuates with fluctuations in Agriculture growth in India.

Reason (R):

Weather conditions, especially rains, are uncertain in India.

Codes:

(1) Both (A) and (R) are true and (R) is the correct explanation for (A).

(2) Both (A) and (R) are true, but (R) is not the correct explanation for (A).

(3) (A) is true, but (R) is false.

(4) (A) is false, but (R) is true.

Q69. Match the following :

List I List II

- a. Trade I. Primary Sector
b. Water Supply II. Service Sector
c. Fisheries III. Central Statistical Organisation
d. GDP IV. Industrial Sector

Choose the correct answer using the codes given below:

- a b c d
(1) II I IV III
(2) II IV I III
(3) II I III IV
(4) III I IV II

Q70. Which of the following is net included in the National Income?

- (1) Wages and Salaries
(2) Tax Revenue
(3) Interest Receipts from Public Debt
(4) Profits of Public Sector Undertakings

Q71. Match the following :

- | | |
|------------------------------|----------------|
| List I | List II |
| a. Iron and Steel Industry - | I. Perambur |
| b. Jute Industry - | II. Jamshedpur |
| c. Oil Refinery - | III. Kolkata |
| d. Integral Coach Factory - | IV. Barauni |

Choose the correct answer using the codes given below:

- a b c d
(1) II III IV I
(2) III IV I II
(3) IV II I III
(4) III I IV II

Q72. When the Central Bank increases the Cash Reserve Ratio, it leads to

- I. Fall in money circulation.
II. Low demand for goods and services.
III. Rise in purchasing power of the people.
IV. Rise in bank's lending capacity.

Choose the correct answer using the codes given below :

- (1) I, III and IV
(2) I and II only
(3) I, II and III
(4) I, II and IV

Q73. Statutory Liquidity Ratio is to be maintained by banks in the form of

- I. Cash.
II. Gold.
III. Unencumbered investments in specified instruments.
IV. Priority sector loans.

Choose the correct answer using the codes given below:

- (1) II, III and IV
(2) I, III and IV
(3) I, II and IV
(4) I, II and III

Q74. Gilt edged market comprises

- (1) Treasury Bills and Government Bond Market.
(2) Mutual Fund Market.
(3) Derivatives Market.
(4) Capital Market.

Q75. Non-Performing Asset as per the current banking norms is

- (1) A loan which is due during the last 90 days.
(2) A loan whose installment of principal and interest amount has remained overdue for a period of 90 days.
(3) A loan whose installment of principal amount is overdue for a period of 90 days.
(4) A loan whose installment of interest amount is overdue for a period of 90 days.

Q76. Name of the committee on Indian banking and financial sector reforms constituted by the Government of India in 1991 is

- (1) Buresh Tendulkar Committee
(2) Committee on Financial Stability
(3) Committee on Financial System
(4) Raja J. Chelliah Committees

Q77. Para Banking Services include the following :

- I. Credit card business
II. Insurance business
III. Credit to Para military personnel
IV. Factoring services

Choose the correct answer using the codes given below:

- (1) I II and IV
(2) II, III and IV
(3) I, II and III
(4) I, III and IV

Q78. Given below are two statements, one labeled as Assertion (A) and the other labeled as Reason (R). Select your answer from the codes given below.

Assertion (A) :

Goods and Services Tax (GST) introduced in 2017 is non-inflationary.

Reason (R) :

The GST system avoids tax-on-tax.

Codes :

(1) Both (A) and (R) are true and (R) is the correct explanation for (A).

(2) Both (A) and (R) are true, but (R) is not the correct explanation for (A)

(3) Both (A) and (R) are false.

(4) (A) is false, but (R) is true.

Q79. Match the following :

List I

List II

a. 10th Finance Commission I. C. Rangarajan

b. 11th Finance Commission II. K.C. Pant

c. 12th Finance Commission III. Vijay L. Kelkar

d. 13th Finance Commission IV. A.M. Khusro

Choose the correct answer using the codes given below:

- | a | b | c | d |
|--------|----|-----|-----|
| (1) II | I | IV | III |
| (2) II | IV | I | III |
| (3) IV | II | III | I |
| (4) I | IV | II | III |

Q80. Given below are two statements, one labeled as Assertion (A) and the other labeled as Reason (R). Select your answer from the codes given below.

Assertion (A):

Budget Deficit financed by printing currency will lead to price rise.

Reason (R):

More goods will be produced in the economy.

Codes:

(1) (A) is true, but (R) is not the correct explanation of (A).

(2) (A) is true, but (R) is not the correct explanation of (A).

(3) Both (A) and (R) are true.

(4) Both (A) and (R) are true and (R) is the correct explanation of (A)

Q81. Part V of the Andhra Pradesh Reorganization Act deals with

(1) High Court.

(2) Apportionment of assets and Liabilities.

(3) Authorization of Expenditure and Distribution of Revenues.

(4) Management and Development of Water Resources.

Q82. Polavaram Project is a

(1) State Project funded by the Central Government.

(2) State Project funded by funds of the State of Andhra Pradesh.

(3) State Project funded by the States of Andhra Pradesh and Telangana.

(4) National Project.

Q83. How many Schedules are there in the Andhra Pradesh Reorganization Act?

(1) 13 Schedules

(2) 14 Schedules

(3) 15 Schedules

(4) 16 Schedules

Q84. Apex Council of Godavari and Krishna river water resources and their management consists of

(1) Minister of Water resources, Government of India as chairperson and Chief Ministers of Andhra Pradesh and Telangana as members.

(2) Prime Minister, Government of India as chairperson and Ministers of Irrigation of both Andhra Pradesh and Telangana as members.

(3) Minister of Water Resources, Government of India as chairperson and Ministers of Revenue of both Andhra Pradesh and Telangana as members.

(4) Minister of Water resources, - Government of India as chairperson and Chief Ministers of Andhra Pradesh and Telangana as members.

Q85. The Government of Andhra Pradesh is implementing YSR Rythu Bharosa – PM Kisan Scheme for the benefit of farmers of Andhra Pradesh.

Which of the following statements are correct about the above scheme?

(1) ₹ 13,500 is given to a farmer's family in three installments every year.

(2) ₹7,000 is given by Government of Andhra Pradesh and ₹ 6,000 is given by the Government of India.

(3) ₹ 6000 is given by Government of Andhra Pradesh and ₹ 7,000 is given by the Government of India.

(4) ₹ 13000 given to the farmer's family in four installments every year.

Q86. One of the following welfare programmes implemented by Government of Andhra Pradesh is **not** part of Navaratnalu.

(1) Housing for all Poor

(2) YSR Jala Yagnam

(3) Aarogyasri

(4) Vahana Mitra

Q87. The following App developed by Government of Andhra Pradesh is an SOS service for women in distress or danger.

(1) Spandana

(2) Bharosa

(3) Disha

(4) Prajwala

Q88. The CCRC introduced by Government of Andhra Pradesh stands for

(1) Crop Certification Residue Control to certify organic farming.

(2) Crop Cultivation Registration on Certificate for pledging lands for bank loan.

(3) Crop Cultivator Rights Card for providing assistance to lease-holders.

(4) None of the above

Q89. Area wise, which of the following districts of Andhra Pradesh is the smallest?

- (1) Parvathipuram Manyam
- (2) Palnadu
- (3) Annamayya
- (4) Kurnool

Q90. Who among the following is a heavyweight weightlifting champion who hails from Andhra Pradesh?

- (1) Sathish Sivalingam
- (2) Kunjarani Devi
- (3) Dhruva Chakravarthi
- (4) Dandamudi Rajagopal Rao

Part - D
Geography

Q91. Consider the following statement and answer the question.

Statement:

It took more than a million years for the world human population to attain the one billion mark. But it took only 12 years for it to rise from 5 billion to 6 billion.

Which of the following time periods can be represented from the statement?

- (1) 1950-1963
- (2) 2008-2021
- (3) 1987 - 1999
- (4) 1990-2012

Q92. According to the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 1976, how many Scheduled Tribes are notified in the State of Andhra Pradesh?

- (1) 31
- (2) 33
- (3) 35
- (4) 29

Q93. As per Census of India 2011, which of the following group of States and Union Territories does not have Scheduled Caste Population?

- (1) Nagaland, Sikkim, Tripura, Lakshadweep
- (2) Nagaland, Lakshadweep, Andaman and Nicobar Islands, Mizoram
- (3) Nagaland, Lakshadweep, Andaman and Nicobar Islands, Mizoram, Arunachal Pradesh
- (4) Dadra and Nagar Haveli, Andaman and Nicobar Islands, Tripura, Mizoram

Q94. Match the following (Sex Ratio) :

- | List I | List II |
|-------------------|----------|
| a. Puducherry | I. 993 |
| b. Tamil Nadu | II. 1037 |
| c. Lakshadweep | III. 996 |
| d. Andhra Pradesh | IV. 946 |

Choose the correct answer using the codes given below:

- | a | b | c | d |
|--------|-----|-----|-----|
| (1) I | II | IV | III |
| (2) II | I | IV | III |
| (3) II | III | IV | I |
| (4) I | II | III | IV |

Q95. What percentages of rail routes were electrified in India by March 2019?

- (1) 45%
- (2) 50.91%
- (3) 75.90%
- (4) 62.12%

Q96. Match the following Coal-based Thermal Power Stations and their States :

- | List I (Thermal Power Station) | List II (State) |
|--------------------------------|-----------------|
| a. Kudgi | I. Chhattisgarh |
| b. Kahalgaon | II. Karnataka |
| c. Sipat | III. U.P. |
| d. Dadri | IV. Bihar |

Choose the correct answer using the codes given below:

- | a | b | c | d |
|--------|----|-----|-----|
| (1) I | II | III | IV |
| (2) II | IV | I | III |
| (3) IV | II | III | I |
| (4) II | IV | III | I |

Q97. Match the following :

- | Methods of Agricultural Regionalization | Agricultural Geographer |
|---|---|
| a. Crop combination | I. Weaver, Doi |
| b. Crop diversification | II. Bhatia, Jasbir Singh |
| c. Crop concentration | III. Chisholm, Bhatia |
| d. Agricultural productivity | IV. Kendall, Majid Husain, Jasbir Singh |

Choose the correct answer using the codes given below:

- | a | b | c | d |
|---------|----|-----|-----|
| (1) III | II | IV | I |
| (2) I | II | III | IV |
| (3) III | II | I | IV |
| (4) I | II | IV | III |

Q98. Which of the following type of grassland separates Cold Asia from Dry Asia?

- (1) Steppe
- (2) Taiga
- (3) Tundra
- (4) Prairie

Q99. According to the Indian Forest Act, 1927, which of the following is the most appropriate sequence which shows the degree of protection between different forest types?

- (1) Reserved Forest > Protected Forest > Village Forest
- (2) Protected Forest > Reserved Forest > Village Forest
- (3) Reserved Forest > Village Forest > Protected Forest
- (4) Village Forest > Protected Forest > Reserved Forest

Q100. Which of the following indicator species are not found in Sri Venkateswara National Park of Andhra Pradesh?

- (1) Wood stork
- (2) Cycas beddomei
- (3) Red sanders
- (4) Slender loris

Q101. Which of the following is the first pipeline constructed in India for the transportation of crude oil?

- (1) Mumbai High - Kayoli
- (2) Hajira - Bijapur - Jagdishpur
- (3) Naharkatia - Nunmati - Baraun
- (4) Jamnagar-Loni

Q102. Andhra Pradesh is the sole producer of

- (1) Barytes
- (2) Apatite
- (3) Iron ore
- (4) Granite

Q103. Which of the following factors are responsible for the higher Sugarcane production in tropical regions as compared to sub-tropical regions of India?

- I. Cool nights with clear skies
- II. Latitudinal position
- III. Long hours of sunshine
- IV. High temperature disparity

Choose the correct answer using the codes given below:

- (1) I and II only
- (2) I, II and III only
- (3) I, III and IV only
- (4) I, II, IV only

Q104. Who among the following made the first attempt to demarcate Indian Agriculture into 4 macro regions?

- (1) Sengupta
- (2) Stasyuk
- (3) Jashir Singh
- (4) Sengupta and Sdasyuk

Q105. Which among the following statements are true about the Indian Steel Industry?

- I. India is the second largest producer of steel in the world.
- II. Indian steel industry produced 51.89 Million Tonnes crude steel with 5.1% share in the total world production.
- III. The production of steel in the year 2020 is more than the previous year.
- IV. India is ranked first in the production of crude steel.

Choose the correct answer using the codes given below:

- (1) I and III
- (2) I, II and III
- (3) I and II
- (4) I and IV

Q106. Match the following Geographical Heritage Sites with the States (location) :

Geographical Heritage Sites	States
a. Lonar Lake	I. Odisha
b. Siwalik Fossil Park	II. Rajasthan
c. Akal Wood Fossil Park	III. Maharashtra
d. Pillow Lava at Nomira	IV. Himachal Pradesh

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|---------|----|-----|----|---|
| (1) I | II | III | IV | |
| (2) III | IV | II | I | |
| (3) II | IV | III | I | |
| (4) III | IV | I | II | |

Q107. Which of the following geographical series is not related to the Vindhyan system?

- (1) Bhandar Series
- (2) Bijawnr Series
- (3) Khondalite Series
- (4) Kaimur Series

Q108. Which of the following are results of depositional activity of the Himalayan Rivers?

- I. River Terraces
- II. Braided Channels
- III. Alluvial Fans
- IV. National Levees

Choose the correct answer using the codes given below:

- (1) I and II only
- (2) II, III and IV only
- (3) I, II and III only
- (4) I, II, III, IV

Q109. Which of the following Southern States shares boundaries with the maximum number of Indian States?

- (1) Telangana
- (2) Karnataka
- (3) Andhra Pradesh
- (4) Tamil Nadu

Q110. There is a Place-A with longitude 060° West.

There is another Place-B with longitude 090° East

If the local time at Place-A is 10 AM, what would be the local time at Place-B?

- (1) 8 PM
- (2) 10 PM
- (3) 12 PM
- (4) 6 PM

Q111. Consider the following statements regarding India :

- I. India has an area of 3.28 million sq km, and accounts for about 2.4 percent of the total geographical area of the world.
- II. The mainland of India extends between 8°4' N and 37°6'N longitude 68° 7' and 97°25'E.
- III. Presently India has 28 States and 8 Union Territories.

Which of the statements given above is/are correct?

- (1) I only
- (2) I and II only
- (3) I and III only
- (4) I, II and III

Q112. Match the following Irrigation Projects and their States (location) :

<i>Irrigation Projects</i>	<i>States</i>
a. Parwan Multipurpose Project	I. Madhya Pradesh and Uttar Pradesh
b. Renukaji Dam Project	II. Uttarakhand
c. Lakhwar Multipurpose Project	III. Himachal Pradesh
d. Ken-Betwa Link Project	IV. Rajasthan

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|-----|-----|-----|----|
| (1) | I | II | III | IV |
| (2) | IV | III | II | I |
| (3) | II | IV | III | I |
| (4) | III | IV | II | I |

Q113. Match the following Tiger Reserves with their States (location) :

<i>Tiger Reserves</i>	<i>States</i>
a. Periyar	I. Chhattisgarh
b. Sariska	II. Rajasthan
c. Buxa	III. West Bengal
d. Indravati	IV. Kerala

Choose the correct answer using the codes given below:

- | | a | b | c | d |
|-----|----|-----|-----|-----|
| (1) | I | II | III | IV |
| (2) | IV | II | I | III |
| (3) | IV | II | III | I |
| (4) | IV | III | II | I |

Q114. Phlogopite o and Pegmatite minerals are related to

- (1) Petroleum
- (2) Mica
- (3) Iron ore
- (4) Gold

Q115. Which of the following is currently the biggest Thermal Power Plant (with an installed capacity of 4,760 MW) in India?

- (1) Mundra Thermal Power Station, Gujarat
- (2) The Vindhyachal Thermal Power Station, Madhya Pradesh
- (3) Sasan Ultra Mega Power Plant, Madhya Pradesh
- (4) Talcher Super Thermal Power Station Odisha

Q116. The greatest variety (diversity) of animal and plant species can be found in

- (1) Tropical Moist Forests
- (2) Temperate Deciduous Forests
- (3) Taiga Region
- (4) Deserts and Savannas

Q117. Seasonal differences are maximum in

- (1) Mid Latitudes
- (2) High Latitudes
- (3) Low Latitudes
- (4) Subtropics

Q118. What is the proper river order from North to South?

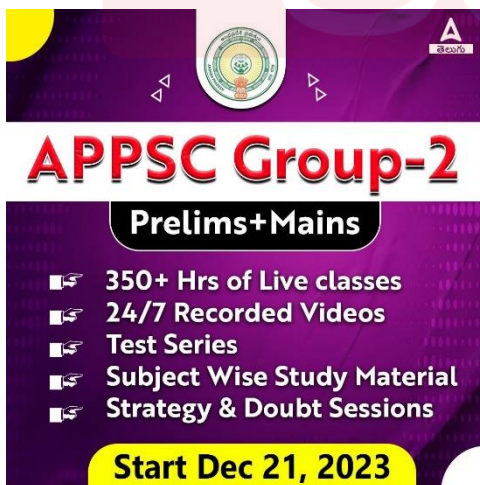
- I. Chenab, Jhelum, Ravi, Sutlej, Beas
- II. Jhelum, Chenab, Beas, Ravi, Sutlej
- III. Jhelum, Chenab, Ravi, Beas, Sutlej
- IV. Chenab, Jhelum, Beas, Ravi, Sutlej

Q119. Naupada Coastal and Marine Biodiversity Area (ICMBA) is located in the district of

- (1) Srikakulam
- (2) Vijayanagaram
- (3) Alluri Sitharama Raju
- (4) Visakhapatnam

Q120. Arrange the following constituents of the atmosphere in descending order (in terms of their quantity) :

- (1) Nitrogen, Oxygen, Argon, CO₂
- (2) CO₂, Argon, Oxygen, Nitrogen
- (3) Oxygen, Nitrogen, CO₂, Argon
- (4) Argon, CO₂, Nitrogen, Oxygen



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Answer Key:

Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans
1.	3	21.	3	41.	1	61.	4	81.	4	101.	3
2.	3	22.	4	42.	4	62.	2	82.		102.	1
3.	2	23.	3	43.	2	63.	3	83.	1	103.	2
4.	1	24.	3	44.	3	64.	4	84.	4	104.	4
5.	1	25.	1	45.	1	65.	1	85.	1	105.	1
6.	3	26.	1	46.	2	66.	2	86.	4	106.	2
7.	2	27.	2	47.	3	67.	2	87.	3	107.	3
8.	1	28.	1	48.	2	68.	2	88.	3	108.	2
9.	3	29.	4	49.	2	69.	3	89.	1	109.	2
10.	1	30.	4	50.	4	70.	1	90.	4	110.	1
11.	2	31.	4	51.	3	71.	2	91.	3	111.	4
12.	3	32.	4	52.	1	72.	3	92.	2	112.	2
13.	4	33.	1	53.	3	73.	1	93.	3	113.	3
14.	1	34.	3	54.	4	74.	1	94.	3	114.	2
15.	4	35.	4	55.	2	75.	3	95.	2	115.	2
16.	2	36.	2	56.	1	76.	1	96.	2	116.	1
17.	4	37.	1	57.	1	77.	1	97.	2	117.	1
18.	1	38.	2	58.	1	78.	2	98.	1	118.	3
19.	2	39.	4	59.	3	79.	2	99.	1	119.	1
20.	3	40.	2	60.	2	80.	3	100.	1	120.	1

PAPER - II
Part A

General Mental Ability, Administrative and Psychological Abilities

Q1. The calendar for the year 2009 will be the same for the year :

- (1) 2014
- (2) 2013
- (3) 2012
- (4) 2016

Q2. What can be the maximum sum of Saturdays and Sundays in a normal year?

- (1) 104
- (2) 105
- (3) 106
- (4) 107

Q3. If in a particular non-leap year, the month of June had 5 Mondays, then that year must have started with which one of the following days?

- (1) Thursday or Friday
- (2) Friday or Wednesday
- (3) Thursday or Saturday
- (4) None of the above

Q4. How many pairs of positive integers m, n satisfy the following equation :

$$\frac{1}{m} + \frac{4}{n} = \frac{1}{12}, \text{ where } n \text{ is an odd integer less than } 60?$$

- (1) 3
- (2) 6
- (3) 4
- (4) 7

Q5. If $x = -0.5$, then which of the following has the smallest value?

- (1) $2^{1/x}$
- (2) $\frac{1}{x}$
- (3) $\frac{1}{x^2}$
- (4) 2^x

Q6. Two liquids A and B are in the ratio 5: 1 in container 1 and 1: 3 in container 2. In what ratio should the contents of the two containers be mixed so as to obtain a mixture of A and B in the ratio 2: 1?

- (1) D is the grandson of A.
- (2) A and E belong to the same generation.
- (3) There is no female in the third generation.
- (4) E is the father of F.

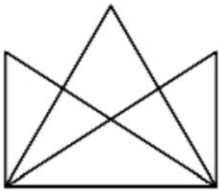
Q7. There are 6 members A, B, C, D, E and F in a family who are spread across 3 generations. There are two couples in the family and no one from the third generation is married. E is the wife of C. F and B are a couple and the only people belonging to their generation. There are 4 male members in the family. Which of the following must be true?

- (1) D is the grandson of A. (4)
- (2) A and E belong to the same generation
- (3) There is no female in the third generation.
- (4) E is the father of F

Q8. Let N be the greatest number that will divide 6360, 7420 and 9540, leaving the same remainder in each case. Then the sum of the digits of N is :

- (1) 7
- (2) 5
- (3) 6
- (4) 8

Q9. What is the number of triangles in the figure given below?



- (1) 13
- (2) 15
- (3) 14
- (4) 16

Q10. The circumference of the front wheel of a cart is 30 feet and that of the back wheel is 36 feet. What is the distance traveled by the cart, when the front wheel has done five more revolutions than the rear wheel?

- (1) 850 feet
- (2) 800 feet
- (3) 720 feet
- (4) 900 feet

Q11. Ramesh wants to plant 372 tomato plants, 558 chilli plants and 1116 onion plants in equal rows. Also, he wants to make distinct rows of each plant, i.e. every row should have only one kind of plant. What are the minimum numbers of rows that are required?

- (1) 8
- (2) 11
- (3) 14
- (4) 16

Q12. The total number of integers between 400 and 600, each of which, either begins with 5 or ends with 5 but not both, is

- (1) 10
- (2) 100
- (3) 110
- (4) 120

Q13. A shopkeeper is selling his goods at 40% discount, but is still able to make 20% profit on the list price. By what percentage does he mark up his goods?

- (1) 60%
- (2) 40%
- (3) 80%
- (4) 100%

Q14. Anand and Rishi are the two biggest competitors of chess. The probability of Rishi losing a game against Anand is 75%. What is the probability that Anand loses at least one out of the four games played between them?

- (1) $\frac{81}{256}$
- (2) $\frac{3}{4}$
- (3) $\frac{1}{2}$
- (4) $\frac{175}{256}$

Q15. A tank has eight pipes, some of which fill the tank and the rest empty the tank. Each inlet pipe fills the tank in 8 hours while each outlet pipe empties it in 6 hours. If all the pipes are kept open when the tank is full, it takes 6 hours to drain the tank. How many pipes are inlet pipes?

- (1) Two
- (2) Three
- (3) Four
- (4) Five

Q16. Ajeet and Sujeet go shopping in a mall. They use an escalator to move between various floors. The escalator moves at a constant speed. Ajeet takes nine steps for every five of Sujeet's steps. Ajeet takes 30 steps to reach the top of the escalator, while Sujeet takes 20 steps to reach the top. If the escalator was turned off, how many steps would they have to take to walk up?

- (1) 40 steps
- (2) 50 steps
- (3) 60 steps
- (4) 80 steps

Q17. A beats B by 15 seconds in a 200 m race, B beats C by 25 seconds in a 500 m race, C beats D by 32 seconds in an 800 m race and D beats E by 35 seconds in a 1 km race. What must be the speed of A in order to beat E by 800 m in a 2 km race?

- (1) 25 m/s
- (2) 3.33 m/s
- (3) 5 m/s
- (4) 6.66 m/s

Q18. 5 persons will live in a tent. If each person requires 16 m² of floor area and 100 m³ space for air, then the height of the cone of smallest size to accommodate these persons would be

- (1) 18.75 m
- (2) 16 m
- (3) 10.25 m
- (4) None of the above

Q19. A $5 \times 5 \times 5$ cube is formed using $1 \times 1 \times 1$ cubes. If we add another layer of such $1 \times 1 \times 1$ cubes in the $5 \times 5 \times 5$ cube, then what will be the number of $1 \times 1 \times 1$ cubes in the newly formed cube ?

- (1) 216
- (2) 150
- (3) 175
- (4) 264

Q20. A change-making machine contains one-rupee, two-rupee and five-rupee coins. The total number of coins is 300. The amount is ₹ 960. If the number of one-rupee coins and two-rupee coins are interchanged, the value comes down by ₹ 40. The total number of five-rupee coins is

- (1) 100
- (2) 140
- (3) 60
- (4) 150

Q21. P, Q, R and S are four statements. Relation between these statements is as follows :

- I. If P is true, then Q must be true.
- II. If Q is true, then R must be true.
- III. If S is true, then either Q is false or R is false.

Which of the following must be true?

- (1) If P is true, then S is false
- (2) If S is false, then Q must be true
- (3) If Q is true, then P must be true
- (4) If R is true, then Q must be true

Q22. A decorative lamp has 2 brown, 3 green and 4 white bulbs. What is the probability of lighting three bulbs such that at least one bulb that glows is white?

- (1) $\frac{37}{42}$
- (2) $\frac{23}{38}$
- (3) $\frac{45}{47}$
- (4) $\frac{29}{33}$

Q23. In college, 25% of students play football. A student, who does not play football, plays cricket. Every cricket player wears a cap. Which of the following conclusions cannot be made from the above data ?

- I. 25% of the students do not wear caps.
- II. No cricketer plays football.

Select the correct answer using the code given below:

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q24. The total number of students in a class is 400. The ratio of the number of students who like Arts and the ones who like Science is 3: 5. The number of students who like Science is more than the ones who like Arts by how much?

- (1) 140
- (2) 100
- (3) 180
- (4) 16

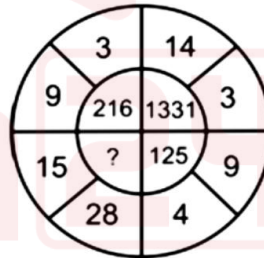
Q25. English alphabets A to Z are numbered with the first 26 consecutive prime numbers. If PQR = 519 and UVW = 705, then what is JKL equal to?

- (1) 915
- (2) 129
- (3) 291
- (4) 97

Q26. Pranav sold two books at the same price. On one book he made a profit of 10% while on the other, he incurred a loss of 10%. In this case, which of the following statements is correct?

- (1) He makes no profit or loss
- (2) He suffers a loss of 1%
- (3) He makes a profit of 1%
- (4) He suffers a loss of 2%

Q27. In the following question, select the number which can replace the question mark (?) from the given alternatives :



- (1) 2197
- (2) 343
- (3) 2144
- (4) 1231

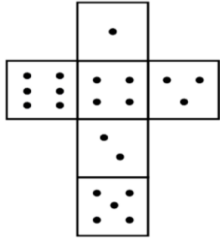
Q28. Kranthi is facing west. She then turns 45 degrees in the clockwise direction and then another 180 degrees in the same direction and then 270 degrees in the anti-clockwise direction. Which direction is she facing now?

- (1) South
- (2) North-west
- (3) West
- (4) South-west

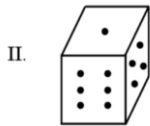
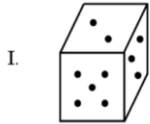
Q29. A watch loses 90 seconds in an hour and the watch owner adjusts the time lost by the watch in one day at the end of 48 hours. After how many days will the watch show the correct time before the watch owner adjusts the time?

- (1) 80 days
- (2) 40 days
- (3) 60 days
- (4) None of the above

Q30. The figure below shows the opened-up version of a cube with dots on each face



Which of these cubes (I and II) show the correct position of the dots?



Select the correct answer using the code given below:

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q31. There are 6 tasks and 6 people. Task 1 cannot be assigned either to person 1 or to person 2; task 2 must be assigned to either person 3 or person 4. Every person is to be assigned one task. In how many ways can the assignment be done?

- (1) 144
- (2) 180
- (3) 192
- (4) 360

Q32. In a row of 40 girls, when Ankitha was shifted to her left by four places, her number from the left end of the row becomes 10. What was the number of Kanchana from the right end of the row if Kanchana was three places to the right of Ankitha's original position?

- (1) 24
- (2) 25
- (3) 22
- (4) 23

Q33. Vaccination drive for Covid-19 is carried out in a village of 1000 people. The first person that comes for vaccination is placed in Group A, the next two in Group B, the next 3 in Group C, the next 4 in Group D, and the next 5 in Group E. After the 5th member of Group E, the pattern repeats, starting from 1 member in Group A and so on. The last beneficiary to be vaccinated belongs to

- (1) Group A
- (2) Group B
- (3) Group C
- (4) Group D

Q34. Ramesh said to his daughter, "I am four times as old as you now. Five years from now, I will be thrice as old as you." His daughter asked him, "Ten years from now, how many times my age would you be?" What would Ramesh's answer be?

- (1) 2.5 times
- (2) 1.5 times
- (3) 2.5 times
- (4) None of the above

Q35. In a badminton tournament between schools A and B, school A won 50% of the matches played in the first three weeks. At the end of the tournament, its success rate was 75%. If 6 matches were played in the first three weeks and school A won all its matches played after that, how many matches did the tournament have ?

- (1) 16
- (2) 8
- (3) 15
- (4) 12

Q36. The ratio of jobs done by 30 girls to the job done by 25 boys, in the same time period is 5 : 6. If 9 girls and 10 boys can finish a job in 40/13 days, then how many girls are required to complete the job in 6 days?

- (1) 16
- (2) 18
- (3) 12
- (4) 14

Q37. In a community of 175 persons, 40 read The Hindu, 50 read The Indian Express. What is the range of people reading both the papers?

- (1) 125 and 135
- (2) 40 and 85 53
- (3) 25 and 85
- (4) 25 and 40

Q38. There are two different ways of going from city A to city B. There are 3 different ways of going from city B to city C. There are two different ways of going from city C that are not passing through city B. How many different ways of going from city A to city C are there?

- (1) 6
- (2) 8
- (3) 10
- (4) 12

Q39. Meher purchases 3 apples, 7 bananas and 1 lemon for ₹ 285. Rohan buys 4 apples, 5 bananas and 1 lemon for ₹ 245. How much does Harish pay if he buys 1 apple, 11 bananas and 1 lemon ?

- (1) ₹ 345
- (2) ₹ 365
- (3) ₹ 385
- (4) ₹ 375

Q40. The Compound interest on a certain sum for 2 years is ₹ 1,512 and Simple interest is ₹ 1,440. If the sum is invested such that the Simple interest is ₹ 2,592 and the number of years is equal to the rate of interest per annum, then find the rate?

- (1) 5%
- (2) 6%
- (3) 7%
- (4) 8%

Q41. You are an officer-in-charge for providing food facilities to the survivors of a cyclone affected area. Despite your best possible efforts, people level allegations against you that you are making money out of the funds sanctioned for relief. You would ...

- (1) Stop providing the food facilities till the matter is resolved
- (2) Let an enquiry be set up to look into the matter
- (3) Request your senior to appoint some other person in your place
- (4) Ignore the allegations

Q42. As a citizen, you have some work in Grama Sachivalayam and have submitted an application for the same. The official there calls you repeatedly and without directly asking you, sends out feelers for a bribe. You want to get your work done. You would .

- (1) Send a formal complaint
- (2) Give a bribe
- (3) Behave as if you have not understood the feelers and pursue your application
- (4) Verbally complain to the higher officials about the feelers and ask for help

Q43. You have been made responsible to procure medical items at a short notice to be used for an area affected by a pandemic. On finding the price mentioned by the suppliers, you found that the lowest price quoted is approximately five times more than the approved rate of the Government. You would...

- (1) Accept the lowest price
- (2) Reject the quotes and call for fresh quotes
- (3) Refer the matter to the higher authorities and wait
- (4) Threaten the medical suppliers about a possible cancellation of the license

Q44. You are handling a time-bound project. Suddenly, you meet with an accident. Your immediate superior insists that you complete the task. You would ...

- (1) Stay away from work till you recover.
- (2) Suggest an alternate person to your superior who can handle the project.
- (3) Inform your superior of your inability to finish the project on time.
- (4) Request for an extension of deadline.

Q45. You have differences of opinion regarding the project report prepared by your subordinate. The report has to be submitted immediately. The subordinate is justifying the information given in the report. You would ...

- (1) Tell him to reconsider the results
- (2) Convince the subordinate that he is Wrong
- (3) Update and correct the report on your own
- (4) Warn the subordinate not to justify the incorrect information

Q46. There are nine 2-digit consecutive odd numbers. If 59 is the mean of the first five such numbers, then what is the mean of all the nine numbers?

- (1) 63

Q47. Latha went to the market to buy some vegetables. While leaving her house she checked her wallet and found out that she had some hundred-rupee notes and some twenty-rupee notes. After shopping she had the same number of hundred-rupee notes as she originally had twenty-rupee notes and the same number of twenty-rupee notes as she originally had hundred-rupee notes. If the remaining money was one-third of what she initially had while stepping out of her house, find the initial ratio of the number of hundred-rupee notes and twenty-rupee notes.

- (1) 7 : 1
- (2) 1 : 7
- (3) 1 : 8
- (4) 8 : 1

Q48. In a class, Raghu got the 11th rank and he was 31st from the bottom of the list of boys passed. Three boys did not take the examination and one failed. What is the total strength of the class?

- (1) 45
- (2) 46
- (3) 35
- (4) 42

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Q49. 124 chocolates were left when the total chocolates in a box were divided equally among 403 students. How many chocolates would remain if the chocolates from the same box are distributed equally among 31 students?

- (1) 0
- (2) 5
- (3) 124
- (4) 23

Q50. A shopkeeper has three cloth pieces of lengths 7 m, 3 m 85 cm and 12 m 95 cm respectively. He measures each of the three cloth pieces with a rod at his disposal and finds that the length of each cloth piece is an integral multiple of the length of the rod. What can be the maximum length of the rod?

- (1) 1 m
- (2) 25 cm
- (3) 35 cm
- (4) 42 cm

Q51. 100 students were to participate in school games. 60 students participated in game 1, while 50 students participated in game 2. 10 students did not come on time, so they were disqualified. How many students participated in only one of the games?

- (1) 20
- (2) 40
- (3) 70
- (4) 30

Q52. In a rural market there are two types of vendors, X and Y. 70 percent of the vendors are X, and 60% of the X earn ₹ 50,000 or more in a month. Total number of vendors who earn ₹ 50,000 or more per month in the rural market is 48 percent of the total vendors. What percentages of Y earn less than ₹50,000?

- (1) 18%
- (2) 80%
- (3) 20%
- (4) 24%

Q53. Select the missing numbers from the given alternatives.

17	12	11
47	43	?
4	5	6

- (1) 55
- (2) 49
- (3) 53
- (4) 46

Q54. If we listed all numbers from 100 to 10,000, how many times would the digit 5 be printed?

- (1) 3980
- (2) 3700
- (3) 3840
- (4) 378

Q55. A businessman wants to make some profit by selling a certain item. He thinks about several methods to make profit. Which of the following would maximize his profit?

- I. Sell that item at 10% profit.
- II. Use an incorrect weight which is 100 grams less than 1 kg, but is marked as 1 kg.
- III. Mix 10% impurities in that item and sell that item at cost price.
- IV. Increase the price by 5%, and use an incorrect weight whose real value is 5% less than what is marked on it.

Select the answer using correct code.

- (1) IV only
- (2) I only
- (3) II only
- (4) III only

Q56. Find the wrong term in the given series.

7, 12, 40, 222, 1742, 17390, 208608

- (1) 7
- (2) 12
- (3) 40
- (4) 1742

Q57. Excluding stoppages, the speed of a bus is 84 kmph and including stoppages, it is 0 kmph. For how many minutes does the bus stop per hour?

- (1) 10 minutes
- (2) 8 minutes
- (3) 15 minutes
- (4) 12 minutes

Q58. Consider the following pattern of numbers :

$$2 + 4 + 6 = 14$$

$$12 + 7 + 3 = 22$$

$$17 + 5 + 8 = 18$$

$$9 + 7 + 1 = \#$$

Which number will come in place of the #?

- (1) 17
- (2) 16
- (3) 10
- (4) 11

Q59. A child made a big cube by joining 64 smaller red cubes. He then painted the faces of the big cube in yellow colour, except one face. His teacher came and dismantled all the cubes and asked him to count the number of cubes whose two faces are yellow. If the child answered correctly, then how many cubes did he count?

- (1) 4
- (2) 16
- (3) 20
- (4) 8

Q60. In a school sports competition, 40% students participated in shooting, 35% students participated in wrestling, 32% students participated in boxing, 9% students participated in shooting and wrestling, 11% students participated in boxing and wrestling, 8% students participated in shooting and boxing and 5% students participated in all the three sports. If 64 students did not participate in any sport, then find the total number of students in the school.

- (1) 450
- (2) 350
- (3) 500
- (4) 400

Part B (i)
Science and Technology

Q61. Consider the following statements regarding the Indian Renewable Energy Development Agency Limited (IREDA) :

- I. It is a Navratna Enterprise of Government of India.
- II. It aims to give financial support to schemes for generating electricity through new and renewable sources and conserving energy through energy efficiency.
- III. It works directly under the administrative control of the Ministry of New and Renewable Energy (MNRE).

Which of the statements given above is/are correct?

- (1) I only
- (2) II and III only
- (3) III only
- (4) I, II and III

Q62. The Renewable Integration in India 2021 report was launched by which of the following institutions?

- (1) NITI Aayog and International Energy Agency
- (2) Ministry of New and Renewable Energy and Ministry of Environment, Forest and Climate Change
- (3) International Solar Alliance and Ministry of Environment, Forest and Climate Change
- (4) Ministry of Power

Q63. Consider the following statements with reference to the enrichment of Uranium :

- I. Uranium enrichment refers to increasing the percentage of U-238 (the fissile isotope) through the process of isotope separation.
- II. Weapons-grade Uranium has to be enriched to a maximum of 20 percent of the fissile isotope.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q64. With reference to Digital Embossing Technology, consider the following statements :

- I. It is a printing technology that does not use chemicals, solvents and also emits no pollutants.

II. It can be used to produce braille maps for the visually challenged.

III. It was introduced in India recently by the National Atlas & Thematic Mapping Organization (NATMO) functioning as the Attached Office of the Department of Science & Technology.

Which of the statements given above is/are correct?

- (1) I only
- (2) I and II only
- (3) II and III only
- (4) I, II and III

Q65. With reference to ISRO's upcoming mission "Shukrayaan-I", consider the following statements:

I. Shukrayaan is India's first mission to Saturn to study the planet's surface and atmosphere.

II. The satellite is planned to be launched onboard the GSLV Mk III rocket.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) None of the above

Q66. With reference to RFID Technology, consider the following statements :

I. Passive RFID tags are powered by an internal circuit and utilize it to send responses to the reader.

II. Semi-passive RFID tags comprise an internal circuit with power source but rely on radio waves received from the reader to transmit the response.

III. Active RFID tags acquire their power from the readers' incoming radio waves. IV. RFID Technology can scan a tag as long as it is within frequency range and it does not have any line-of-sight limitations.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II and IV only
- (4) III and IV only

Q67. Consider the following statements :

I. Dark Reserve is a public or private land with a distinguished nocturnal environment and starry nights that has been developed responsibly to prevent light pollution.

II. World's 1st International Dark Sky Reserve is Mont-Megantic, located in Russia.

III. The International Dark-Sky Association (IDSA) is a EU-based non-profit organization that designates sites as international dark sky places.

IV. The Department of Science & Technology (DST) has announced the setting up of India's 1st Dark-Sky Reserve in Himachal Pradesh. Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) None of the above

Q68. Consider the following statements with reference to Sampurnanand Telescope :

- I. It is located at Aryabhata Research Institute of Observational Sciences (ARIES), Ladakh.
- II. It has completed 50 years of operations.
- III. It has been extensively used for optical observations of comets, star forming regions and star clusters.

Which of the statements given above are correct?

- (1) I and II only
- (2) II and III only
- (3) I and III only
- (4) All of the above

Q69. Consider the following statements with reference to Dirty Bomb :

- I. It is a bomb that contains radioactive material, such as uranium, which is scattered through the air when its conventional explosive detonates.
- II. It creates city-flattening atomic explosions and less toxic waste.
- III. Manufacturing dirty bombs is costlier than nuclear weapons. Which of the statements given above are incorrect?

- (1) I and II only
- (2) II and III only
- (3) I and III only
- (4) None of the above

Q70. Consider the following statements with reference to "Gaganyaan" :

- I. Gaganyaan is an Indian crewed orbital spacecraft intended to be the formative spacecraft of the Indian Human Spaceflight Programme.
- II. ISRO announced Vyom Mitra, a Male Robot who will accompany other astronauts in the mission.
- III. The crewed vehicle is planned to be launched on ISRO's GSLV Mk II.
- IV. The Defense Research and Development Organisation (DRDO) will provide support for critical human-centric systems and technologies in this mission.

Which of the statements given above are correct?

- (1) I and II only
- (2) I and III only
- (3) I and IV only
- (4) I and IV only

Q71. Consider the following statements with reference to "Small satellite launch vehicle" designed by ISRO :

- I. It can place a 500 kg payload at a height of 500 km in the Low Earth Orbit (LEO).
- II. It has two solid motor stages with a lift off mass of 100 tonnes.
- III. It is shorter in length than the PSLV and GSLV.
- IV. Unlike the PSLV and GSLV, it can be assembled both vertically and horizontally.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) All of the above

Q72. Consider the following statements with reference to "International Space Station" :

- I. It is a multinational collaborative project between five participating space agencies i.e., NASA (USA), Roscosmos (Russia), ESA (Europe), JAXA (Japan) and ISRO (India).
- II. It is the only active modular space station (habitable artificial satellite) in the Low Earth Orbit (LEO).
- III. It has been functional since 1998.
- IV. The ownership and use of the space station are established by intergovernmental treaties and agreements.

Which of the statements given above are correct ?

- (1) I,II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) All of the above

Q73. Which of the following Schemes/Programmes are launched with the objective of reversing India's brain drain to brain gain?

- I. VAJRA Scheme
- II. Ramanujan Fellowship Programme
- III. INSPIRE Scheme
- IV. ASEAN - India Research Training Fellowship Scheme

Select the correct answer from below:

- (1) II and III only
- (2) I, II and III only
- (3) I and II only
- (4) I,II, III and IV

Q74. Indian Council for Medical Research (ICMR) developed the strategic plan and Vision 2030 document based on the following :

- I. Strengthen health research capacity in the country
- II. Leverage traditional medicine
- III. Well aligned with the National Health Policy NHP-2017

Select the correct answer from below:

- (1) II and III only
- (2) I and III only
- (3) I, II and III
- (4) None of the above

Q75. A joint programme of DRDO and ISRO developed highly potent Anti-Satellite Weapons (ASAT) under Mission Shakti.

- I. ASAT is a missile-based system to attack moving satellites.
- II. India, using ASAT Missile, destroyed a live satellite in Low Earth Orbit.
- III. ASAT missile is capable of shooting down targets moving at a speed of 50 km per second at an altitude as high as 2000 km.

Which of the statements regarding ASAT are true?

- (1) I and II only
- (2) I and III only
- (3) I, II and III
- (4) II and III only

Q76. Which of the following events has delayed the commissioning of the Kudankulam Nuclear Power Plant?

- I. Disintegration of the USSR
- II. India's economic crisis of 1991
- III. Protests by Civil Society

Select the correct answer from below:

- (1) III only
- (2) I only
- (3) I, II and III
- (4) I and III only

Q77. With reference to a mega project pertaining to Nuclear Fusion research that is being built in Southern France, International Thermonuclear Experimental Reactor (ITER), consider the following statements :

- I. It was designed to demonstrate the scientific and technological feasibility of fusion power for peaceful use.
- II. Institute of Plasma Research (IPR), Gandhinagar is the Nodal agency for the project ITER.
- III. ADITYA is a medium size Tokamak fusion reactor installed at IPR, Gandhinagar as part of ITER.
- IV. EU, India, China, Japan, South Korea, Russia and the US are the members of ITER.

Which of the statements given above are correct?

- (1) I and II only
- (2) II and III only
- (3) I, II and III only
- (4) I, II, III and IV

Q78. With reference to "Block chain Technology", consider the following statements :

- I. It is a public ledger that everyone can inspect, but no single user controls.
- II. The structure and design of the block chain is such that all the data in it is about crypto currency only.
- III. Applications that depend on basic features of block chain can be developed without anybody's permission.

Which of the statements given above is/are correct?

- (1) I only
- (2) I and II only
- (3) III only
- (4) I and III only

Q79. In India 3D-Printed Cornea and 3D-Printed Liver Tissue were developed respectively by

- (1) Aravind Eye Hospital and Biotech Ltd
- (2) LV. Prasad Eye Institute and Biocon Limited
- (3) L.V. Prasad Eye Institute and Pandorum Technologies
- (4) Center for Sight and SIRO Clinpharm

Q80. In the reduced or microgravity of Space, the astronauts' faces become red and bloated due to the blood and cerebrospinal fluid shifting towards the head causing them to have round, puffy faces and thinner legs. This phenomenon is known as

- (1) Debye-Falkenhagen Effect
- (2) De Haas-Van Alphen Effect
- (3) Aharonov-Bohm Effect
- (4) Charlie Brown Effect

Q81. Identify the incorrect statement about the e-Governance programmes in India.

- (1) DARPAN is an online tool that can analyze the projects used to monitor and implement critical State.
- (2) KHAJANE is an e-Governance project for the computerized delivery of land records to farmers of Karnataka.
- (3) Jeevan Pramaan is an Aadhaar-based Biometric Authentication System for Pensioners.
- (4) e-PRAGATI has been aimed at starting a culture of pro-active governance and timely implementation.

Q82. Cheetahs have been reintroduced in India." Which of the following connected to the above statement are correct ?

- I. Cheetahs will help in the restoration of open forest and grassland systems.
 - II. Project Cheetah is the world's first inter-continental large wild carnivore translocation project.
 - III. Out of 8 Namibian wild Cheetahs reintroduced into Kuno National Park, 5 are male and 3 are female.
 - IV. The Cheetahs indigenous to India that went extinct, are African Cheetahs.
 - V. Author of "The End of a Trail - The Cheetah in India" is Divyabhanusinh.
- (1) I, III and IV
 - (2) I, II and IV
 - (3) I, II and V
 - (4) I, II, IV and V

Q83. A fermentation process that uses ultrasound to safely generate Xylitol from Sugarcane bagasse is created by

- (1) Indian Institute of Technology, Delhi (2)
- (2) Indian Institute of Sugarcane Research, Lucknow
- (3) Sugarcane Breeding Institute, Coimbatore
- (4) Indian Institute of Technology, Guwahati

Q84. Identify the incorrect statement about Hydrogen Fuel Cell Bus developed in India :

- I. India's first indigenously developed Hydrogen Fuel Cell Bus was developed by Veera Vahana Company.
 - II. The fuel cell employed in the Hydrogen-powered Bus will combine Hydrogen and Carbon dioxide to create electricity.
 - III. The effluent from the hydrogen-powered Bus is water and heat instead of smoke.
- (1) I and III
 - (2) II and III
 - (3) I and II
 - (4) All of the above

Q85. Consider the following statements regarding India's Anti-Satellite Missile test :

- I. The test successfully destroyed a live satellite in Low Earth Orbit.
 - II. The test was done in the upper atmosphere to ensure that there is no space debris.
 - III. India is the fourth country in the world to have this kind of missile system. Which of the statements given above is/are correct?
- (1) I only
 - (2) II and III only
 - (3) III only
 - (4) I, II and III

Q86. Recently, NITI Aayog approved a proposal to conduct a study on the use of facial recognition technology in India. In the context of facial recognition technology, consider the following statements :

- I. A National Automated Facial Recognition System (NAFRS) is being developed by the National Informatics Centre, under the Ministry of Electronics and Information Technology.
- II. The biggest demerit of facial recognition technology is its limitation in identifying people in real-time and not in photos and videos.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q87. Consider the following statements regarding Exo Mars :

- I. Its rover will be the first mission to combine the capability to move across the surface and to study Mars at depth.
- II. ExoMars is a joint programme of the European Space Agency (ESA) and the Russian Space Agency – Roscosmos.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q88. Consider the following statements regarding Fast Breeder Reactors :

- I. Fast Breeder Reactors are designed to breed more fuel than they consume.
- II. In this reactor, Plutonium-239 undergoes fission to produce energy, while the Uranium-238 present in the fuel transmutes to additional Plutonium-239.
- III. It is a part of stage 1 of India's Nuclear power programme.

Which of the statements given above is/are correct?

- (1) I only
- (2) I and II only
- (3) II and III only
- (4) I, II and III



Q89. Consider the following statements about International Nitrogen Initiative (INI) :

- I. It is set up under sponsorship of the Scientific Committee on Problems of the Environment (SCOPE) and United Nations Environment Programme (UNEP).
- II. Its key objective is to optimize nitrogen's beneficial role in sustainable food production.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q90. Consider the following statements regarding the Nationally Determined Contributions Transport Initiative for Asia (NDCTIA) :

- I. It is an ASEAN initiative that aims to facilitate a paradigm shift to zero emission transport across Asia.
- II. The Indian component of the initiative is implemented by the Ministry of Environment, Forest and Climate Change in partnership with the Ministry of Road Transport and Highways.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Part B (ii)

Current Events of Regional, National And International Importance

Q91. Which of the following statements are correct with regard to Swachh Survekshan Awards 2022?

- I. Visakhapatnam was awarded 'Top Impact Creator' under Million Plus City category.
- II. Tirupati Municipal Corporation won the first rank in 'Safaimitra Suraksha Seher'.
- III. Salur was awarded for innovation and best practices under the South zone for towns with 50,000 to one lakh population.
- IV. Pulivendula was awarded for innovation and best practices under South zone for towns with 25,000 to 50,000 population.
- V. Vijayawada Municipal Corporation was awarded as cleanest capital.

- (1) II, IV and V
- (2) I, II and V
- (3) I and II only
- (4) I, II and III

Q92. Consider the following statements :

- I. Andhra Pradesh Official Language (Amendment) Act, 2022 Bill was introduced in the Andhra Pradesh Legislative Assembly on 23rd March, 2022.
- II. Urdu language, as the second official language in all the districts of Andhra Pradesh came into force on 25th April, 2022.

III. Urdu language was already the second official language in Nellore, Anantapur, Guntur, Chittoor and Kadapa of United Andhra Pradesh.

Which of the above statements is/are incorrect?

- (1) I only
- (2) II only
- (3) III only
- (4) I and II

Q93. Match the following List I with List II with regard to Arjuna Awards 2022 :

Name of Sportsperson	Discipline
a. Sushila Devi	- i. Shooting
b. Omprakash Mitharwal	- ii. Weightlifting
c. Vikas Thakur	- iii. Para Badminton
d. Tarun Dhillon	- iv. Deaf Badminton
e. Jerlin Anika J.	- v. Judo

- (1) a-iii, b-iv, c-i, d-ii, e-v
- (2) a-iii, b-v, c-ii, d-i, e-iv
- (3) a-v, b-i, c-ii, d-iii, e-iv
- (4) a-v, b-ii, c-iii, d-i, e-iv

Q94. Identify the correct statements about the Prime Minister's Development Initiative for North East Region (PM-DevINE).

- I. It was announced in the Union Budget 2022 – 23 to address developmental gaps in the North Eastern Region (NER).
- II. PM-DevINE is an addition to the quantum of resources available for the development of the North Eastern Region and will not be a substitute for existing Central and State Schemes.
- III. It enables livelihood activities for the youth and women of North Eastern Region.
- IV. PM-DevINE will fund infrastructure convergently, in the spirit of PM Gati Shakti.

- (1) I, II and III
- (2) I, III and IV
- (3) II, III and IV
- (4) All of the above

Q95. Consider the following statements, with reference to e-RUPI :

- I. It is a seamless one-time payment mechanism.
- II. It is powered by NPCI (National Payments Corporation of India).
- III. It was developed with the support of DFS (Department of Financial Services) and NHA (National Health Authority).
- IV. It was launched in the year 2020.

Which of the statements given above are correct ?

- (1) I, III and IV only
- (2) I, II and III only
- (3) II, III and IV only

Q96. Consider the following statements with respect to the "Satkosia Tiger Reserve" :

- I. It is a Tiger Reserve located in Odisha.
- II. It comprises two adjoining Sanctuaries of Central Odisha, named the Satkosia Gorge Sanctuary and the Debrigarh Sanctuary.

III. It is located in the Eastern Ghats where the Mahanadi river flows through a deep gorge.

Which of the statements given above are correct?

- (1) I and II only
- (2) II and III only
- (3) I and III only
- (4) I,II and III

Q97. Consider the following statements with reference to the "Crimson Rose Butterfly" :

- I. It is categorized as 'Endangered' as per the IUCN Red List.
- II. It is most common in the Himalayan regions, like Himachal Pradesh and Uttarakhand.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q98. Consider the following statements with reference to the Prevention of Money Laundering Act, 2002 :

- I. The Act empowers authorities like the Director to attach property believed to be "proceeds of crime".
- II. Offenses under Part A of the Schedule deal with trans-border crimes and reflect the dedication to tackle money laundering across the global boundaries.
- III. The Act and the Rules notified thereunder came into force with effect from 2005.
- IV. The Act has provided for an Appellate Tribunal and Special Court to conduct the trial of the offenses of money laundering.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) I, II, III and IV

Q99. Consider the following statements with reference to Vande Bharat Express :

- I. It is a semi-high speed electric multiple unit train operated by Indian Railways.
- II. The first Vande Bharat train was manufactured by Integral Coach Factory, Chennai.
- III. It can achieve a maximum speed of 250 kmph, reducing journey time.
- IV. It was previously known as Train 18.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) I, II and IV only
- (4) II, III and IV only

Q100. Consider the following statements about "Vikram-S" :

- I. It is India's first privately built rocket.
- II. It is a single stage suborbital space launch vehicle.
- III. The mission for the rocket launch has been named as "Prarambh", meaning beginning.
- IV. It was developed by space tech startup Agnikula Cosmos.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) All of the above

Q101. Consider the following statements about “National War Memorial” :

- I. It was inaugurated in 2021.
- II. The eternal flame of Amar Jawan Jyoti underneath India Gate was put out and merged with another eternal flame at the National War Memorial.
- III. It was built to commemorate all the soldiers who have laid down their lives in the various battles, wars, operations and conflicts of Independent India.
- IV. The architecture of the memorial is based on four concentric circles. Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) All of the above

Q102. Recently, the Prime Minister of India led tributes to freedom fighter Velu Nachiyar on her 292nd birth anniversary.

With reference to Rani Velu Nachiyar, which of the following statements is/are correct?

- I. She was the first queen to wage a war against the East India Company.
- II. She formed an alliance with Tipu Sultan against the British in 1780.

Select the correct answer using the code given below :

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q103. I2U2 is a new partnership between.

- (1) Indonesia, India, the United Kingdom and the United States of America.
- (2) Israel, India, United Arab Emirates and the United States of America.
- (3) Israel, India, United Kingdom and the United States of America.
- (4) Indonesia, India, United Arab Emirates and the United States of America.

Q104. Identify the names of Ramon Magsaysay 2022 Awardees from the following :

- I. Sotheara Chhim
- II. Bernadette J. Madrid
- III. Tan Soo Heong
- IV. Gary Benchehib
- V. Tadashi Hattori

- (1) I, II, IV and V
- (2) I, III, IV and V
- (3) I, II, III and IV
- (4) All of the above

Q105. Consider the following statements with reference to Agriculture Orientation Index (AOI) :

- I. It is published by The International Food Policy Research Institute.
- II. It measures the country’s progress towards SDG-2 (End hunger, achieve food security and improve nutrition).
- III. It is calculated as the percentage of the Government’s expenditure on agriculture, divided by the share of agriculture in the GDP.

Which of the statements given above are correct?

- (1) I and II only
- (2) II and III only
- (3) I and III only
- (4) All of the above

Q106. Which of the following statements is correct with reference to the Society for Worldwide Interbank Financial Telecommunication (SWIFT) ?

- I. SWIFT is a global member-owned cooperative that is headquartered in Switzerland.
- II. SWIFT was founded in 1991.
- III. SWIFT is a payment network.
- IV. SWIFT has the authority to impose sanctions on the banks.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) II, III and IV only
- (3) I, III and IV only
- (4) None of the above

Q107. Consider the following statements with reference to China’s Chang’e 5 lunar probe :

- I. It is named after the Chinese Moon goddess.
- II. It is China’s first attempt at a sample-return mission.
- III. It will be the first probe to bring back material from the Moon, since NASA’s Luna 24 mission.

Which of the statements given above are correct?

- (1) I and II only
- (2) II and III only
- (3) I and III only
- (4) I, II and III

Q108. Consider the following statements with reference to Conference of Parties (COP27) :

- I. COP27 was held in Sharm el-Sheikh, Egypt.
- II. COP27 reiterated the goal set by the Paris Agreement at COP21 which was to keep global warming from rising more than 1.5 degrees Celsius from the 2000s.
- III. The previous Conference of Parties (COP26) was held in Glasgow, Scotland.
- IV. COP27 reached agreement to provide “loss and damage” funding for vulnerable countries hit hard by climate disasters.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, II and IV only
- (3) II, III and IV only
- (4) None of the above

Q109. Consider the following statements with reference to Mangrove Alliance for Climate (MAC) :

I. The launch of Mangrove Alliance for Climate (MAC) is spearheaded by the United Arab Emirates in partnership with Indonesia.

II. Australia, Japan, United States, Canada, Sri Lanka and India are members of MAC.

III. It was launched at the Conference of Parties (COP27) summit.

IV. It is an intergovernmental alliance with no binding targets.

Which of the statements given above are correct?

- (1) I, II and III only
- (2) I, III and IV only
- (3) II, III and IV only
- (4) None of the above

Q110. Consider the following statements with reference to G20 summit :

I. The two-day G20 summit was held in Bali, Indonesia in 2022.

II. "Recover Together, Recover Stronger" is the theme for India's G20 presidency.

III. "One Earth, One Family, One Future" is the theme for Indonesia's G20 presidency.

IV. "Data for Development" will be the integral part of the overall theme of India's G20 presidency.

Which of the statements given above are correct?

- (1) I and II only
- (2) I and III only
- (3) I and IV only
- (4) II and III only

Q111. Kiev city is located on which of the following rivers?

- (1) Don
- (2) Danube
- (3) Dniester
- (4) Dnieper

Q112. Consider the following statements with reference to GloLitter Partnerships Project :

I. It is an initiative of the United Nations Environment Programme (UNEP).

II. It aims to reduce marine litter, especially plastic litter from all sources.

Which of the statements given above is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I nor II

Q113. Pick out the correct matches from the following statements regarding externally-aided Projects in Andhra Pradesh:

I. Andhra Pradesh Integrated Irrigation and Agriculture Transformation Project is aided by the World Bank.

II. Andhra Pradesh Community Managed Natural Farming (APCNF) is aided by Japan International Cooperation Agency (JICA).

III. Andhra Pradesh Irrigation and Livelihood Improvement Project Phase-3 is aided by KfW – German Bank.

- (1) Only I is correct
- (2) Only II and III are correct
- (3) Only I and III are correct
- (4) Only III is correct

Q114. Which of the following statements are correct regarding the status of Andhra Pradesh Aquaculture?

I. 'YSR Matsyakara Bharosa' relief is provided to marine fishermen families during the fishing ban period.

II. Andhra Pradesh Fisheries University is to be established in East Godavari District.

III. The Diesel Oil Subsidy for fishermen boats is associated with exemption of sales tax on HSD oil.

IV. The Government has enhanced the financial benefit to deceased fishermen (while fishing) families from ₹ 5 lakhs to ₹ 10 lakhs.

- (1) Only I, II and III are correct
- (2) Only I and II are correct
- (3) Only III and IV are correct
- (4) Only I, III and IV are correct

Q115. Which of the following statements are correct about Visakhapatnam-Chennai Industrial Corridor Development Program (VCICDP)?

I. It is partly funded by a loan from Asian Development Bank (ADB).

II. It is aligned with the Golden Quadrilateral and covers more than 800 km of the State of Andhra Pradesh's coastline.

III. It is a node-centric development platform comprising four nodes.

IV. Donakonda is recognized as one of the nodes.

- (1) Only I and II are correct
- (2) Only II and III are correct
- (3) Only I, II and IV are correct
- (4) Only I, III and IV are correct

Q116. Which of the following statements are correct about the Sea Ports in the State of Andhra Pradesh?

I. GoAP has recently declared Krishnapatnam Port as a Major Port.

II. Kakinada SEZ Port is being converted from captive port to commercial port through Swiss Challenge Approach.

III. GoAP has declared Nakkapalli Port as a Minor Port.

IV. Vodarevu Port is being developed on Build, Own, Operate and Transfer (BOOT) basis.

- (1) Only I, III and IV are correct
- (2) Only II, III and IV are correct
- (3) Only II and III are correct
- (4) Only III and IV are correct

Q117. Which of the following minorities have been allotted special budget cover (2021 - 22) by the Government of Andhra Pradesh?

- (1) Qureshi
- (2) Gosangi
- (3) Borewale
- (4) Dudekula

Q118. Which of the following statements are valid regarding the initiatives taken by the Andhra Pradesh Government in Women Development and Child Welfare Department?

I. Government in collaboration with PRATHAM organization is building the capacities of supervisors and angan wadi workers.

II. Government in collaboration with the UK CATAPULT organization is extending support for funding the YSR Talli Bidda Express.

III. 'YSR Sampoorna Poshana Plus +' scheme provides nutritional support to pregnant women and lactating mothers in all the mandals except the 77 Scheduled and Tribals sub-mandals.

IV. Poshan Abhiyaan is implemented in the State by a 50% external aid from IBRD.

- (1) Only I and III are correct
- (2) Only II correct
- (3) Only I, III and IV are correct
- (4) Only I and IV are correct

Q119. Which of the following statements regarding the investments in Andhra Pradesh at World Economic Forum (WEF) 2022 is incorrect?

(1) ArcelorMittal Nippon Steel (AMNS) announced an investment of ₹ 1,000 crores to expand its pellet pellet capacity in Visakhapatnam

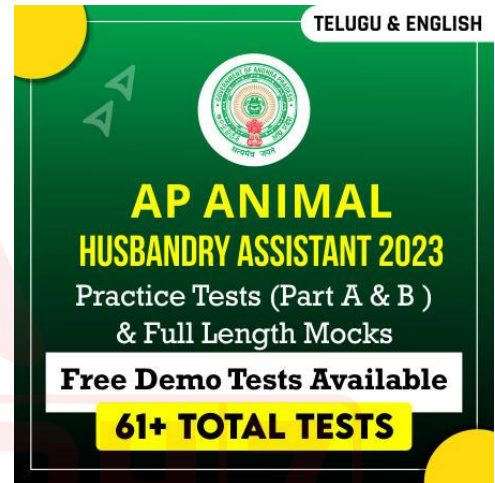
(2) Government of Andhra Pradesh, signed an MOU with Aurobindo Realty & Infrastructure Private Limited for generating 6000 MW of Green Energy.

(3) Government of Andhra Pradesh signed an MOU with Greenko Group for generating 3000 MW of Green Power.

(4) Government of Andhra Pradesh signed an MOU with ACE Urban Developers for setting up a Pumps and Compressor manufacturing unit at Mega Industrial Park at Kopparthi, YSR Kadapa district.

Q120. In recent times, which of the following birds had mass mortality at Telineelapuram Important Bird Area (IBA) of Srikakulam district?

- (1) Red-cheeked Cordon BLEu
- (2) Pelecanus Philippensis
- (3) Rainbow Lorikeet
- (4) Mycateria Leucocephala



Answer Key:

Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans
1.	Del	21.	1	41.	2	61.	2	81.	2	101.	3
2.	2	22.	1	42.	4	62.	1	82.	3	102.	1
3.	4	23.	1	43.	1	63.	4	83.	4	103.	2
4.	1	24.	2	44.	2	64.	4	84.	3	104.	1
5.	2	25.	3	45.	3	65.	4	85.	3	105.	2
6.	4	26.	2	46.	2	66.	3	86.	4	106.	4
7.	3	27.	1	47.	1	67.	4	87.	3	107.	1
8.	1	28.	4	48.	1	68.	2	88.	2	108.	2
9.	3	29.	2	49.	1	69.	2	89.	2	109.	2
10.	4	30.	3	50.	3	70.	4	90.	4	110.	3
11.	2	31.	3	51.	3	71.	2	91.	2	111.	4
12.	2	32.	1	52.	2	72.	3	92.	2	112.	4
13.	4	33.	4	53.	2	73.	2	93.	3	113.	1
14.	4	34.	3	54.	1	74.	3	94.	4	114.	4
15.	3	35.	4	55.	3	75.	1	95.	2	115.	3
16.	4	36.	3	56.	4	76.	4	96.	3	116.	2
17.	2	37.	2	57.	1	77.	4	97.	4	117.	4
18.	1	38.	2	58.	4	78.	4	98.	2	118.	4
19.	2	39.	2	59.	3	79.	3	99.	3	119.	4
20.	2	40.	2	60.	4	80.	4	100.	1	120.	2

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