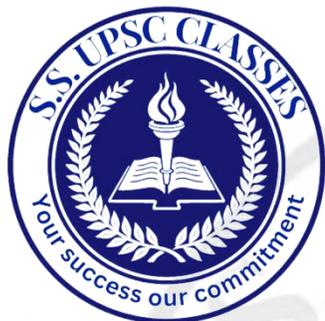
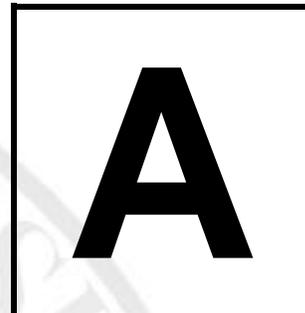

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

SSUPSC0037

Test Booklet Series



TEST BOOKLET
GENERAL STUDIES
PAPER - I



Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES CODE A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside this line. DO NOT write anything else on the Test Booklet.
4. This Test Booklet contains 100 questions. Each question is printed in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
5. All items carry equal marks.
6. Penalty for wrong answers: THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - I. There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, One-Third of the marks assigned to that question will be deducted as penalty.
 - II. If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - III. If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

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Q 1. In the context of history of India, the strife with Pindaris was associated with which one of the following?

- (a) Third Anglo-Maratha War (1817-19)
- (b) First Burma War (1824–26)
- (c) Second Anglo-Sikh War (1848–49)
- (d) First Anglo-Afghan War (1839–1842)

Q 2. Consider the following pairs:

Treaty	Consequence
1. Treaty of Ryswick, 1697	Ownership of Pondicherry was transferred from Dutch to French
2. Treaty of Yandabo, 1826	Afghanistan ceded territories to British India
3. Treaty of Sagauli, 1816	Established the boundary line of Nepal and India

How many of the above pairs are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None

Q 3. Consider the following statements regarding the phenomenon of 'October heat':

- 1. It occurs during the retreating monsoon season.
- 2. It is marked by clear skies and high temperatures.
- 3. Lack of moisture exacerbates the heat during this season.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 4. In the context of plate tectonics, which of the following are classified as minor plates?

- 1. Pacific plate
- 2. Cocos plate
- 3. Nazca plate

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 and 3 only
- (c) 3 only
- (d) 1, 2 and 3

Q 5. Consider the following:

Assertion(a): The Eastern coastal plain is broader and is an example of an emergent coast.

Reason (R): It has less number of ports and harbors.

In the context of the statements given above, which one of the following is correct?

- (a) Both A and R are true but, R is the correct explanation of A.
- (b) Both A and R are true but, R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

Q 6. Which one of the following texts contains the rules for monks and nuns of the Buddhist Sangha?

- (a) Abhidhamma Pitaka
- (b) Vinaya Pitaka
- (c) Sutta Pitaka
- (d) Chedasutras

Q 7. Consider the following statements with reference to the Jaina philosophy:

- 1. Syadvada doctrine states that all judgments are conditional and are true only in certain circumstances.
- 2. Nayavada doctrine asserts that all viewpoints are only partial expressions of the truth.
- 3. The theory of Anekantavada emphasises that the ultimate truth has multiple-aspects.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 8. Consider the following information:

Buddhist Council	Presided By	Important Development
1. First	Maha Kassapa	Teachings of Buddha were compiled into Tripitakas
2. Second	Sabakami	Split of the Buddhist order into Sthaviravada and Mahasanghika
3. Third	Vasumitra	Codification of Abhidhamma Pitaka
4. Fourth	Moggaliputta Tissa	Origin of Mahayana Sect of Buddhism

In how many of the above rows is the given information correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

Q 9. Who among the following was the only Ganadhara of Mahavira to survive him and become the first 'Thera' (chief preceptor) of the Jaina order?

- (a) Arya Sudharma
- (b) Sambhutavijaya
- (c) Agnibhuti Gautama
- (d) Bhadrabahu

Q 10. Consider the following statements regarding miniature paintings in India:

1. Their origin is traced to Pala period.
2. The Apabhramsa School of painting employed both palm leaves and paper as canvases for artistic expression.
3. During the Delhi Sultanate period, miniature paintings evolved as a blend of indigenous and Persian artistic traditions.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 2 only

(c) 1 and 3 only

(d) 1, 2 and 3

Q 11. The famous paintings Padmapāṇi Bodhisattva, Vajrapāṇi Bodhisattva, Mahājanaka Jātaka and Umaga Jātaka are found in which of the following sites?

- (a) Ellora
- (b) Sittanavasal
- (c) Bagh
- (d) Ajanta

Q 12. Consider the following pairs:

Place often seen in the news	The disputed territory between India and
1. Susta	Bhutan
2. Saltora ridge	Pakistan
3. Kalapani	Nepal

How many of the above pairs are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None

Q 13. Which one of the following situations best describes the phenomena of Urban Heat Island?

- (a) A city or parts of a city experience much warmer temperatures than nearby areas
- (b) The increase in the temperature of the seawaters close the urban infrastructures
- (c) The rise in the Carbon Dioxide released by the use of automobiles in the city spaces
- (d) The transient rise in temperature of the areas surrounding the garbage burning sites

Q 14. Consider the following statements regarding the Orangutans:

1. They are the largest arboreal mammals.
2. They are primarily carnivores.
3. They are only found in the rainforests of the islands of Borneo and Sumatra.

How many of the above statements are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Q 15. A low inventory turnover ratio of a company implies:

- (a) inadequate inventory stocking
- (b) excess inventory or weak sales
- (c) faster rate of production of the goods
- (d) very high demand for products

Q 16. Consider the following statements with reference to the tax-to-GDP ratio in an economy:

1. Developed countries generally have higher tax-to-GDP ratios than developing countries.
2. Countries with large informal sectors tend to have lower tax-to-GDP ratios.
3. Certain countries that serve as tax havens often have high tax-to-GDP ratios.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 17. With reference to the Indian economy, consider the following statements:

1. The Fixed Base method estimates Gross Domestic Product (GDP) compared to the previous year's data.
2. The Fixed Base method does not factor in relative changes in prices and impact on demand.
3. The Government of India follows the Chain Base method to calculate GDP.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 3 only
- (c) 2 only
- (d) 2 and 3 only

Q 18. With reference to the Council of Ministers, consider the following statements:

1. They are collectively responsible to the Lok Sabha and the Rajya Sabha.
2. There is no legal responsibility of a minister as per the constitution.
3. It is the duty of every minister to stand by cabinet decisions and support them both within and outside the Parliament.

Which of the statements given above is/are correct?

- (a) 3 only
- (b) 2 and 3 only
- (c) 1, 2 and 3
- (d) 1 and 3 only

Q 19. Consider the following statements about the Deputy Speaker of Lok Sabha:

1. Whenever he is appointed as a member of a parliamentary committee, he automatically becomes its chairman.
2. The date of his election is fixed by the President.
3. He is subordinate to the speaker of Lok Sabha.

Which of the statements given above is/are correct?

- (a) 2 only
- (b) 1 only
- (c) 2 and 3 only
- (d) 1 and 3 only

Q 20. Both houses of the parliament have separate committees of this kind.

This committee regulates the program and timetable of the House.

It allocates time for the transaction of legislative and other exercises brought before the House by the government.

The Lok Sabha committee consists of 15 members including the Speaker as its chairman.

In the Rajya Sabha, it has 11 members including the Chairman as its exofficio chairman.

Which of the following parliamentary committees has been described in the passage given above?

- (a) Business Advisory Committee
- (b) Rules Committee
- (c) General Purposes Committee
- (d) Ethics Committee

Q 21. Consider the following:

1. Establishment of separate markets for different commodities
2. Establishment of new garrison town named Siri for the soldiers
3. Introduction of the token currency to pay the soldiers in cash

How many of the above reforms were undertaken by Muhammad bin Tughlaq?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Q 22. In the context of medieval India, consider the following statements:

1. The Sayyid dynasty was the first to appoint Hindu nobles to the court of Delhi.
2. The Lodhis introduced the gaz-i-Sikandari for measuring cultivated fields.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 23. Which of the following rulers of the Delhi Sultanate belonged to the Mamluk Dynasty?

1. Muhammad of Ghur
2. Raziya
3. Balban
4. Qutbuddin Aibak

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
- (b) 1, 2 and 4 only
- (c) 1, 3 and 4 only
- (d) 2, 3 and 4 only

Q 24. Consider the following:

1. Fabrication of electronic components
2. Development of nanoscale materials to detect and measure biological signals
3. Synthesis of materials like graphene with novel properties
4. Manipulation of light using photonic crystals

How many of the above are the applications of dry nanotechnology?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

Q 25. With reference to the Higgs Boson Particle, consider the following statements:

1. It is popularly known as the "God Particle".
2. It is the only elementary particle with no spin.
3. The interaction of particles with the Higgs field gives them mass.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Q 26. The NASA's 'APEP mission', recently seen in the news, aims to:

- (a) investigate the magnetic fields of Saturn
- (b) study the effects of solar eclipse on the upper atmosphere of the earth
- (c) analyze the impact of cosmic rays on Martian polar ice caps
- (d) observe the gravitational waves from neutron stars

Q 27. In the grasslands, trees do NOT replace the grasses as a part of an ecological succession because of:

- (a) Insects and fungi
- (b) Limited sunlight and paucity of nutrients
- (c) Water limits and fire
- (d) None of the above

Q 28. Consider the following features:

- 1. Highly soluble in water
 - 2. Biologically inactive
 - 3. Long biological half-life
- How many of the above features possessed by a toxic material will increase the rate of biomagnification from one trophic level to another?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Q 29. Consider the following:

- 1. Respiration by fishes
 - 2. Photosynthesis
 - 3. Decay of dead animals
 - 4. Lightning during thunderstorms
 - 5. Running of Hydrogen fuel cell based vehicles
- How many of the above activities/processes primarily add carbon dioxide to the atmosphere?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All five

Q 30. Consider the following statements with reference to the policy of "paramountcy":

- 1. It was initiated under Lord Hastings.
- 2. It justified annexation of any Indian kingdom to protect the British interests.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 31. Consider the following statements with reference to the system of misls:

- 1. They were military brotherhoods with a democratic set-up.
 - 2. They ruled the Punjab region under Sikh chieftains.
 - 3. Ranjit Singh belonged to the Sukarchakiya misl.
- Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 32. Consider the following pairs:

British Policy	Adopted to Occupy/Control
1. Forward Policy	Afghanistan
2. Doctrine of Lapse	Gwalior
3. Policy of Proud Reserve	Satara

How many of the above pairs are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None

Q 33. Consider the following statements regarding the Subsidiary Alliance system:

- 1. Indian rulers were not allowed to maintain independent armed forces under this system.
- 2. In case of failure to pay for the subsidiary forces, the East India Company took over part of the ruler's territory as a penalty.
- 3. The state of Mysore was acquired by the EIC under this system.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 2 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 34. Consider the following statements regarding the British type or The Cool Temperate Western Margin type climate :

1. These are under the permanent influence of westerlies all round year.
2. It has adequate rainfall throughout the year with a tendency towards a slight summer maximum.
3. There are four distinct seasons in this climate.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 35. Which of the following statements best describes the term 'follow on public offer', recently seen in the news?

- (a) A company issuing of additional new shares to its investors.
- (b) A private company going public by the sale of its stocks to the general public.
- (c) A company buying its own outstanding shares to reduce the number of shares available on the open market.
- (d) A process by which an underwriter attempts to determine the price at which an initial public offering (IPO) will be offered.

Q 36. Most of the major Peninsular rivers, except Narmada and Tapi, flow from west to east due to

- (a) the peninsula's tilt towards the southeast.
- (b) discontinuous mountain range in the eastern region.
- (c) upheaval of the Himalayas.
- (d) the large catchment area of Peninsular rivers.

Q 37. Consider the following statements with reference to the "Bodhisattva":

1. He was associated with the Vajrayana school of Buddhism.
2. He believes in universal liberation.
3. Samyaksainbuddha seeks complete

enlightenment for the benefit of all beings.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 38. In the context of Buddhism, which one of the following statements best describes the term 'tathagata'?

- (a) One who preaches religious discourse
- (b) One who is a homeless ascetic
- (c) One who practised the severest penances
- (d) One who attained the truth

Q 39. Consider the following statements:

1. Hinayana Buddhism did not believe in the image worship of Buddha, while Mahayana Buddhism believed in the image worship of Buddha.
2. Mahayana scholars primarily used Pali, whereas Hinayana followers mostly used Sanskrit.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 40. Who among the following authored Tarikh-i-Firoz Shahi, a historical account of the Tughlaq dynasty?

- (a) Amir Khusrau
- (b) Ziauddin Barani
- (c) Minhaj-i-Siraj
- (d) Al-Biruni

Q 41. Ankit was accused of a crime for which he was given a short-term temporary relief through bail. He was granted bail on the ground of his no chance of tampering with the evidence.

The period for his bail can be extended unless he does not pay the bail bond to confirm or extend the bail.

In the above scenario, which one of the following bail was granted to Ankit?

- (a) Regular bail
- (b) Interim bail
- (c) Anticipatory bail
- (d) Medical Bail

2. Shrinkflation	Size or quantity of the product is reduced while the price remains the same
3. Skimpflation	Reduction in the quality of the product while the price remains the same

Q 42. Consider the following statements with reference to the U. N. Trust Fund for Counter-Terrorism (UNCTF):

1. It was established in 2009 by the UN Secretary-General.

2. India is the largest contributor to the fund.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 43. Consider the following statements with reference to the European Parliament (EP):

1. It is the only directly elected transnational assembly in the world.

2. It cannot propose laws but can only negotiate laws proposed by the European Commission.

3. The Members of the European Parliament cannot hold positions in national governments.

4. All European Union countries have equal representation in EP.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

Q 44. Consider the following pairs:

Term	Description
1. Greedflation	Businesses increase their goods prices by more than their costs have risen

How many of the pairs given above are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None

Q 45. Consider the following statements with reference to the Factor cost:

1. It is the price that a buyer pays to purchase the commodity.

2. It does not include indirect taxes and subsidies.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 46. Which one of the following best describes the concept of a 'circular economy'?

- (a) An economy focused solely on reducing production costs
- (b) An economic model that involves reusing and recycling existing materials as long as possible
- (c) A system where resources are extracted, used and discarded as waste
- (d) A traditional approach to maximize short-term profits through mass production

Q 47. Consider the following statements:

1. Price ceilings are often implemented on essential items to ensure affordability and accessibility for consumers.

2. Price floors protect producers from receiving too low of a price for their goods or services.

3. Both price ceilings and price floors are fixed above the market-determined price.

How many of the above statements are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Q 48. With reference to the Council of Ministers, consider the following statements:

1. A person who is not a member of either House of Parliament can not be appointed as a minister.

2. President can appoint only those persons as ministers who are recommended by the prime minister.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 49. Consider the following statements:

1. Anything that works as a superconductor above 70 Kelvin (-203°C) is generally considered as a High-temperature superconductor (HTS).

2. Solid mercury behaves as a superconductor below its threshold temperature i.e. (around -270°C).

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 50. Which of the following statements is/are correct regarding the appointment of the Governor as provided in the Constitution of India?

1. He should be a non-resident of the state where he is appointed.

2. The president is required to consult the chief minister of the state concerned but the advise is not binding on him.

3. He should have completed 35 years of age.

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 only
- (c) 3 only
- (d) 1 and 3 only

Q 51. Consider the following pairs:

Bhakti Saint	Philosophy/Contribution
1. Ramanuja	God, soul and matter are real
2. Gnanadeva	Commentary on Bhagavad Gita
3. Adi Shankara	Doctrine of Advaita

How many of the above pairs are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None

Q 52. With reference to Quantum Dots (QDs), consider the following statements:

1. They are man-made nanoscale crystals that exhibit optical and electronic properties.

2. The energy gap between the valence band and the conduction band is primarily responsible for QDs fluorescence.

3. The smaller QDs emit higher energy waves while the bigger QDs release lower energy waves.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 53. Consider the following pairs:

Satellite Orbit	Used for
1. Low Earth Orbit (LEO)	International Space Station
2. Medium Earth Orbit (MEO)	Prediction of weather or storms
3. Sun-Synchronous Orbit (SSO)	Navigation system

How many of the pairs given above are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None

Q 54. Uranium-235 is preferred for nuclear plants for which of the following reasons?

- 1. It can undergo induced fission.
- 2. It can decay naturally.
- 3. It has the highest natural abundance among uranium isotopes.

Select the correct answer using the code given below:

- (a) 1 only
- (b) 1 and 2 only
- (c) 1 and 3 only
- (d) 2 and 3 only

Q 55. Consider the following statements:

Statement-I: The productivity of boreal forests is lower than the productivity of Tropical rainforests.

Statement-II: Boreal forests have podzolic soils which are poor in nutrients and acidic in nature.

Statement-III: Boreal forests have higher community stability in comparison to Tropical rainforests.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-II and Statement-III are correct and both of them explain Statement-I
- (b) Both Statement-II and Statement-III are correct

but only one of them explains Statement-I

(c) Only one of the Statement-II and Statement-III is correct and that explains Statement-I

(d) Neither Statement-II nor Statement-III is correct

Q 56. In the context of Indian economy, which of the following statements is correct regarding Sovereign Green Bonds?

- (a) These bonds offer higher interest rates compared to the conventional government securities (G-Secs).
- (b) The capital gains and the interest received on these bonds are non-taxable.
- (c) These bonds do not qualify as investment for Statutory Liquidity Ratio (SLR) purposes.
- (d) Foreign Institutional Investors (FII) are allowed to invest in these Sovereign Green Bonds.

Q 57. With reference to the cycling of Phosphorous, consider the following statements:

- 1. It is a sedimentary biogeochemical cycle.
- 2. It is a relatively faster cycle compared to the cycling of Nitrogen or carbon.
- 3. Human activities such as the mining of phosphate rocks can alter this cycle.

Which of the statements given above is/are correct?

- (a) 1 and 3 only
- (b) 1 and 2 only
- (c) 3 only
- (d) 1, 2 and 3

Q 58. Consider the following statements with reference to the Dutch East India Company:

- 1. In 1663, the Raja of Cochin expelled the Portuguese from his kingdom with the help of the Dutch East India Company.
- 2. The Mughal administration exempted the Dutch companies from the payment of the Indian transit (rahdari) duties.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 59. Consider the following statements with reference to the system of British Residents in colonial India:

1. They were posted in Indian Princely States.
2. Their appointment was mandated under the Policy of Subsidiary Alliance.
3. They had the power to restrict the Princely States from engaging in diplomatic alliances with other States.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 60. Consider the following statements regarding the New START treaty often mentioned in the news:

1. It is a nuclear arms reduction treaty between the United States and Iran.
2. Under it, deploying not more than 1000 strategic nuclear warheads and a maximum of 500 long-range missiles and bombers has been provided.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 61. Arrange the following states/UTs of India in descending order as per the area under mangrove forests:

1. Andaman and Nicobar Islands
2. Maharashtra
3. West Bengal
4. Gujarat

Select the correct answer using the code given below.

- (a) 3-4-1-2
- (b) 3-4-2-1

(c) 3-1-4-2

(d) 4-3-2-1

Q 62. "A warm summer with off-shore trade winds, a concentration of rainfall in winter with onshore westerlies; bright, sunny weather with hot dry summers and wet, mild winters and prominence of local winds."

Which of the following types of climate is best described in the above passage given above?

- (a) Monsoon
- (b) China type
- (c) Savannah
- (d) Mediterranean

Q 63. With reference to the earthquakes, consider the following statements:

1. The point where the energy is released is called the focus.
2. The point directly above the focus is called the hypocentre.
3. Epicenter is the first point that experiences earthquake waves.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 64. Consider the following countries:

1. Angola
2. Botswana
3. Namibia
4. Kenya
5. Zimbabwe

How many of the above are part of the Kavango-Zambezi Trans-Frontier Conservation Area (KAZA-TFCA)?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All five

Q 65. Which of the following statements is/are correct with reference to 'Ikat' weaving art?

1. It is a dyeing technique used to create a distinct style of textile patterns.
2. It creates surface designs in the yarns rather than on the finished cloth.
3. It is mainly practised in Uttar Pradesh.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Q 66. Consider the following statements regarding an anticipatory bail:

1. It cannot be issued in the case of non-bailable offences.
2. It can be issued by both the Session Courts and High Courts.
3. No regular bail is granted when an anticipatory bail is granted by higher courts and matter is pending.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 67. Iceland is one of the most volcanically active regions because:

- (a) it was formed during the late Neoproterozoic era by massive lava eruptions
- (b) it is situated in the Campanian volcanic arc known for highly fluidic lava
- (c) it is formed with a group of volcanic mountains which keeps erupting frequently
- (d) it sits on the Mid-Atlantic ridge where the Eurasian and North American plates create volcanic rift zones

Q 68. Which one of the following financial instruments gives the buyer the right to buy and the seller the obligation to sell?

- (a) Put option
- (b) Call option
- (c) Futures contract
- (d) Swap agreement

Q 69. With reference to national income statistics of

India, consider the following statements:

1. The Central Statistics Office (CSO) releases both annual and quarterly Gross Domestic Product (GDP) estimates.
2. State Domestic Product is compiled as per the methodology prescribed by the CSO.
3. The Government of India uses the MCA-21 database to calculate the GDP.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 70. In an economy, the 'Paradox of Value' refers to:

- (a) a situation where the value of goods in the market is less than their actual cost of production
- (b) a situation when the wages paid to the labor is more than the capital invested in production process
- (c) difference in value between goods with high utility and goods with low utility
- (d) contradiction of low prices for essential goods, while higher prices for non-essential goods

Q 71. In the context of Indian polity, consider the following statements:

1. The President is the chief spokesman of the Union government.
2. The President announces government policies on the floor of the House.

3. The Prime Minister can be a member of any of the two Houses of parliament.

Which of the statements given above are not correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 72. Which of the following acts of parliament provides for the preparation and revision of electoral rolls for the purpose of elections to the House of People?

- (a) Representation of the People Act, 1950
- (b) Representation of the People Act, 1951
- (c) Parliament (Prevention of Disqualification) Act, 1959
- (d) Presidential and Vice-Presidential elections Act, 1952

Q 73. The concepts "Cosmic Microwave Background (CMB)" and "Cosmic Distance Ladder (CDL)" are primarily used to understand:

- (a) stellar evolution in the Milky Way
- (b) motion of planets in our solar system
- (c) expansion of the universe
- (d) dark matter distribution in the universe

Q 74. Consider the following statements with reference to the JT-60SA:

- 1. It is a joint fusion experiment built and operated by China and Russia.
- 2. It has been designed to support the operation of the International Thermonuclear Experimental Reactor (ITER).

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 75. Consider the following:

- 1. Leak detection in industrial processes
- 2. Assessing the freshness of food products
- 3. Measuring the amount of alcohol in a person's breath
- 4. Monitoring changes in the concentration of greenhouse gases in atmosphere

How many of the above are the applications of chemical sensors?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

Q 76. Consider the following statements regarding the TRISHNA mission:

- 1. It is a joint initiative between the Indian Space Research Organisation and the European Space Agency.
- 2. It has the objective of determining the nature of the building blocks from which the terrestrial planets formed.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 77. Consider the following features:

- 1. It is the largest natural grassland in the Indian subcontinent.
 - 2. The Maldhari community are the primary inhabitants of this Grassland.
 - 3. A huge freshwater lake locally known as Chhari-Dhand is a prominent feature of this grassland.
- Identify the grassland/pastureland in India based on the features given above?

- (a) Bughals
- (b) Shola grasslands
- (c) Banni grassland
- (d) Terai grasslands

- Q 78. In the context of ecology, nektons are-
- chlorophyll-containing microscopic plants like algae.
 - heterotrophic organisms that live in the water-air interface like water striders and duckweed.
 - heterotrophic organisms that live on the floor of the ocean.
 - heterotrophic organisms that are able to swim and move independently of currents.

Q 79. In the context of the colonial history of India, 'Non- Regulation System' introduced by Lord Dalhousie was associated with:

- revenue administration in tribal areas
- governance of newly annexed territories
- village autonomy in the Princely States
- establishment of port towns on eastern coast

Q 80. Consider the following pairs:

Book	Author
1. Asbab-e-Baghawat- e-Hind	Sir Syed Ahmed Khan
2. Majha Pravas	Dr. R.C. Mazumdar
3. The Indian war of Independence 1857	V.D. Savarkar

How many of the above pairs are correctly matched?

- Only one pair
- Only two pairs
- All three pairs
- None

Q 81: Consider the following:

- Evolution of photosynthetic organisms
- Hot interior of the Earth
- Influence of solar winds.

How many of the above factors have contributed to the emergence of the present composition of Earth's atmosphere?

- Only one
- Only two
- All three
- None

Q 82: Consider the following statements:

- The Big Bang Theory provides an explanation for the origin and evolution of the entire universe from a singular event.
- The Nebular Hypothesis explains the origins of stars and their planetary systems through the accumulation of interstellar gas.

Which of the statements given above is/are correct?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

Q 83. Consider the following statements with reference to the NOTA option used in elections in India:

- It was used for the first time in the general elections of 2009.
- The votes cast to NOTA are counted but are considered 'invalid votes'.
- It is available in both Lok Sabha and Rajya Sabha elections.
- The votes cast to NOTA do not change the outcome of an election.

How many of the above statements are correct?

- Only one
- Only two
- Only three
- All four

Q 84. Microalgae has applications in which of the following fields?

- Vaccine development
- Drug delivery carriers
- Production of biofertilizers
- Production of biofuels

Select the correct answer using the code given below:

- 1 and 4 only
- 2 and 3 only

- (c) 2, 3 and 4 only
- (d) 1, 2, 3 and 4

Q 85. With reference to currency chests, consider the following statements:

1. They are depositories where the money meant for banks and ATMs are stored.
2. They are administered by their respective banks.
3. The RBI reimburses the security expenses of the currency chests to the bank as per the set norm.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 86. Consider the following scenario:

In the country, the gross investment in the infrastructure projects increased significantly this year due to government incentives to boost economic growth. Despite this increase, the depreciation of existing infrastructure has remained constant compared to the previous year.

What is the most likely impact of this on net investment of the country?

- (a) The net investment will decrease
- (b) The net investment will increase
- (c) The net investment will remain unchanged
- (d) The net investment will be zero

Q 87. Consider the following statements regarding Mutual Legal Assistance Treaty (MLATs) in criminal matters:

1. They are the bilateral treaties between the countries that allow for exchange of evidence.
2. The Ministry of External Affairs is the nodal Ministry for providing mutual legal assistance in criminal law matters.
3. Criminal Procedure Code (CrPC) does not mention arrangements with the Foreign Governments regarding service of judicial processes in this regard.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 only
- (d) 1, 2 and 3

Q 88. Consider the following statements regarding World Economic Forum (WEF):

1. It is a non-governmental lobbying organisation largely funded by global enterprises.
2. It has been used for pivotal international diplomacy and even avoiding wars.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 89. A constitutional government means:

- (a) A government with limited powers
- (b) A government with multi-party system
- (c) A government with parliamentary democracy
- (d) A government with federal structure

Q 90. Consider the following statements:

Statement-I: Biological Oxygen Demand in Oligotrophic Lake is higher compared to Eutrophic Lake.

Statement II: Oligotrophic lakes generally have a lower biological productivity than Eutrophic lake.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

Q 91. In the context of modern scientific research, consider the following statements about 'IceCube', a particle detector seen in the news recently:

1. It is located in Antarctica.
2. It is considered as the world's biggest neutrino telescope.
3. It is built and maintained by the European Organization for Nuclear Research (CERN)

Which of the statements given above are correct?

- (a) 1 and 3 only
- (b) 2 and 3 only
- (c) 1 and 2 only
- (d) 1, 2 and 3

Q 92: With reference to planets in our solar system, consider the following statements:

1. Jovian planets have lower densities compared to terrestrial planets.
2. Unlike terrestrial planets, jovian planets generally have fewer moons.
3. Terrestrial planets have relatively thinner atmospheres as compared to jovian planets.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 2 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 93: With reference to the structure of the Earth, consider the following statements:

1. The continental crust is denser than the oceanic crust.
2. The lithosphere consists of the crust and the uppermost part of the mantle.
3. The 'D' layer is a boundary between the core and mantle.

How many of the above statements are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Q 94: Consider the following statements: A 'Dwarf planet' is a celestial body that:

1. orbits the sun
2. has enough mass to assume a nearly round shape
3. has not cleared its orbital neighborhood
4. has presence of nitrogen in its atmosphere.

Which of the statements given above are correct?

- (a) 1, 2 and 3 only
- (b) 2 and 3 only
- (c) 1 and 4 only
- (d) 1, 2, 3 and 4

Q 95. Which of the following statements is/are correct with reference to the "Bank Clinic"?

1. It aims to address customers' grievances in retail banking.
2. It is an initiative of National Bank for Agriculture and Rural Development (NABARD).

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q 96. Consider the following statements:

Statement-I: Gandhi Sagar Wildlife Sanctuary is being developed as India's second home for cheetahs.

Statement-II: Gandhi Sagar Wildlife Sanctuary has an equatorial ecosystem with dense vegetation and plants.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect

(d) Statement–I is incorrect, but Statement–II is correct

Q 97. Consider the following statements with reference to the Constituent Assembly of India:

1. It was constituted as per the scheme formulated by the Mountbatten Plan.
2. It served as India's Provisional Parliament until the formation of the new Parliament following the first general elections.
3. H.C. Mukherjee and V.T. Krishnamachari were Vice Presidents of the Constituent Assembly.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 3 only
- (d) 1, 2 and 3

Q 98. With reference to the composition of the Constituent Assembly, consider the following statements:

1. Its members were indirectly elected by the members of the Provincial Legislative Assemblies.
2. Each province and princely state were allotted seats in proportion to their respective population.
3. Seats in each province were distributed among Hindus and Muslims in equal proportion.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Q 99. Which of the following principles generally apply in direct democracy?

1. Inalienability of the sovereignty of the people
2. Representatives can be recalled by the people
3. People make decisions directly through a referendum
4. Removal of distinction between State and civil society

Select the correct answer using the code given below:

- (a) 2, 3 and 4 only
- (b) 1, 2, 3 and 4
- (c) 1 and 3 only
- (d) 1, 2 and 4 only

Q 100. Consider the following statements:

Statement-I: A Constitution without constitutionalism is merely a written document.

Statement-II: Constitutionalism ensures that the Government functions within the boundaries set by the Constitution.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement–I and Statement–II are correct and Statement–II explains Statement–I
- (b) Both Statement–I and Statement–II are correct, but Statement–II does not explain Statement–I
- (c) Statement–I is correct, but Statement–II is incorrect
- (d) Statement–I is incorrect, but Statement–II is correct.