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Date : 25 Dec. 2022

PRAYAAS
UPSC-CSE-2023 (Prelims)
All India Open Mock Test - 1
GS - I



Time Allowed : Two Hour

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. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.**
3. You have to enter Your Roll Number on the Test Booklet in the Box provided alongside.
DO NOT write **anything** else on the Test Booklet.
4. This Test Booklet contains 100 items (questions). Each item 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. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet
9. Sheets for rough work are appended in the Test Booklet at the end.
10. 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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1. The terms 'Special Safeguard Mechanism', 'National Treatment', 'Rules of Origin' are heard in the context of which of the following?
- (a) Shanghai Cooperation Organisation (SCO)
 (b) Financial Action Task Force (FATF)
 (c) World Trade Organization (WTO)
 (d) The World Bank (WB)
2. Which of the following statements correctly explain the impact of Change in Exchange rate on Overall India's Economic stability?
1. The incremental exchange rate positively affects the number of foreign tourists.
 2. Export is likely to increase due to incremental exchange rate.
 3. The exchange rate has huge influence on consumption.
- Select the correct answer from code given below
- (a) 1 and 2 only
 (b) 2 and 3 only
 (c) 1, 2 and 3
 (d) 1 and 3 only
3. Consider the following impacts of changes in interest rate by US Fed on emerging market like India.
1. If interest rates in US increase, RBI will therefore have to raise interest rates in India to prevent FPI outflows.
 2. If interest rates in US increases, US dollar will strengthen, further then rupee will decline.
 3. Situation of 'Carry trade' can be observed in Indian capital market
- Select the correct answer from code given below
- (a) 1 and 2 only
 (b) 2 and 3 only
 (c) 1 and 3 only
 (d) 1, 2 and 3
4. With reference to the recent 'G20-Summit', which of the following statements are correct?
1. G20-summit of 2022 endorsed a global motto of 'Recover together, Recover stronger'.
 2. Bali will host the 2023 summit
- 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
5. With reference to the Indian economy, consider the following statements:
1. Inflation-Indexed bonds are issued by Central government
 2. Inflation-Indexed bonds can be helpful for government to reduce over all borrowing cost
 3. The interest received as well as capital gains on IIBs are not taxable.
- Select the **INCORRECT** answer from the code given below.
- (a) 1 and 2 only
 (b) 2 and 3 only
 (c) 1 and 3 only
 (d) 1, 2 and 3

6. With reference to the Indian economy, which are the following are components of Infrastructure.

1. Sanitary system
2. Financial institutions
3. Telecommunication facilities
4. Educational system

Select the correct answer from code given below:

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

7. When the following situation 'It states that individuals try to save more during an economic recession, which essentially leads to a fall in aggregate demand and hence in economic growth 'occurs in any economy it is called as..

- (a) Deep recession
- (b) Paradox of thrift
- (c) Dividend signaling
- (d) Philips curve

8. With reference to the capital and revenue expenditure, which of the following statements is/are correct?

1. Debt financing of central government can only be done on structured loan.
2. Upgrading a software and buying a computer equipment falls under capital expenditure.

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

9. With reference to FDI in e-commerce firms operating in India, which of the following statements is/are **INCORRECT** ?

1. FDI is permitted in inventory based model of e-commerce.
2. Ownership or control over the inventory, completely lies with the e-commerce entity.
3. In Marketplace based model of e-commerce capital received can only be used to build physical infrastructure.

Select the correct answer from code given below

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

10. Which of the following statement(s) is/ are correct about government securities?

1. These are issued by the Central or State governments to take loans mainly from the commercial banks.
2. The RBI regulates the government securities market by arranging their primary auctions.
3. The RBI in consultation with the government fixes the interest rates on these securities.
4. The commercial banks are statutorily required to buy a minimum worth of these securities.

Select the correct answer using the code given below:

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

11. With reference to contempt of court, consider the following statements:

1. The consent of the Attorney General of India is mandatory when a private citizen wants to initiate a case of contempt of court against a person.
2. Constitution empowers the Supreme Court to initiate contempt cases on its own.
3. The Attorney General brings in a motion before the Supreme Court and High Courts for initiating a case of criminal contempt.

Select the correct statement using the code given below :

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

12. With reference to Attorney general and Advocate general in India, consider the following statements?

1. Attorney General is the first legal officer of the country
2. Both holds office at the pleasure of president, tenure is not fixed by Constitution
3. Attorney general submits his resignation to president whereas Advocate general submits his resignation to governor.

Select the correct answer from code given below

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

13. With reference to amendments to Indian Constitution, consider the following statements.

1. Service tax to be levied by Union and collected and appropriated by the Union and the States said by 92nd amendment act.
2. Multi-member National Commission for SC/ST was established by 69th amendment act.
3. Constitutional Status was granted to National Commission for Backward Classes (NCBC) by 95th amendment act.

Select the *INCORRECT* answer from code given below

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

14. With reference to 'the powers and functions of the Union Council of Ministers in the Indian Parliamentary system', which of the following statements are correct?

1. Every Minister shall have the right to speak, vote and take part in the proceedings of either House, any joint sitting of the Houses and any Committee of Parliament of which he may be named a member.
2. The nature of advice tendered by Ministers to the President cannot be enquired by any Court of law.
3. Even after the dissolution of the Lok Sabha, the Council of Ministers does not cease to hold office.

Select the correct answer using the code given below:

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

15. With respect to the relations between the Indian President and the Union Council of Ministers, consider the following statements:

- 1. The 42nd Constitutional Amendment Act 1976 made the advice of the Council of Ministers constitutionally binding on the President.
- 2. The 44th Constitutional Amendment Act 1978 allowed the President to send back such an advice for reconsideration of the Council of Ministers once.

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

16. With reference to the provisions of the 91st Constitutional Amendment Act 2003, which of the following statements are correct?

- 1. The total number of Ministers, including the Prime Minister, in the Union Council of Ministers shall not exceed 15% of the total strength of the Lok Sabha

2. A member of either House of the Parliament belonging to any political party, who is disqualified on the ground of defection, shall also be disqualified to be appointed as a 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

17. With reference to the Judges of the Supreme Court of India, consider the following statements:

- 1. The Indian Constitution prescribes a minimum age for a person to be appointed as a Judge of the Supreme Court.
- 2. A Supreme Court Judge can be removed by the President when the Parliament passes a motion to that effect by a special majority.
- 3. The ground mentioned for the removal of a Supreme Court Judge, in the Indian Constitution, is 'incapacity' or 'proved misbehaviour' only.

Select the correct statements using the code given below

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

18. Consider the following:
Assertion: The Writ Jurisdiction of the Supreme Court is narrower than that of the High Courts.
Reason: The Supreme Court can issue writs only for the enforcement of the Fundamental Rights and not in the case of breach of ordinary legal right.
 Select the correct answer using the code given below:
- (a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.
 (b) Both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
 (c) Assertion is true but Reason is false.
 (d) Assertion is false but Reason is true.
19. The Ayushman Bharat scheme will subsume which among the following central schemes?
1. Rashtriya Swasthya Bima Yojana (RSBY)
 2. Central Government Health Scheme (CGHS)
 3. Senior Citizen Health Insurance Scheme (SCHIS)
- Select the correct answer using the code given below:
- (a) 1 only
 (b) 2 only
 (c) 1 and 3 only
 (d) 1 and 2 only
20. The Leader of the Lower House of the Indian Parliament is:
- (a) The Speaker
 (b) The President
 (c) The Prime Minister, when he is a Member of the Lok Sabha
 (d) The Leader of Opposition in the Lok Sabha
21. Which of the following crop is NOT the source of Biodiesel?
- (a) Soybeans
 (b) Sugarcane
 (c) Coconut
 (d) Candlenut
22. With reference to Bio-dynamic farming, consider the following statements.
1. The farm is considered as living organism that interacts with the environment.
 2. Planting and Sowing crops depends on the moon and stars' position.
 3. It also stresses on spirituality.
- Select the correct answer from code given below
- (a) 1 and 2 only
 (b) 2 and 3 only
 (c) 1 and 3 only
 (d) 1, 2 and 3
23. Consider the following pairs :
- | River | :: | Lake Location |
|---------------------|-----------|----------------------|
| 1. River Blue Nile- | | Lake Victoria |
| 2. River Congo- | | Lake tanganyika |
| 3. River Charl- | | Lake Chad |
| 4. River Zambezi- | | Lake Nyasa |
- How many pairs given above are correctly matched ?
- (a) Only one pair
 (b) Only two pairs
 (c) Only three pairs
 (d) All four pairs

24. Gandikota Grand Canyon of India is located in which state?
 (a) Madhya Pradesh
 (b) Rajasthan
 (c) Andhra Pradesh
 (d) Meghalaya
25. Consider the following pairs :
- | | | |
|-----------------|----|-----------------------|
| Peaks | :: | Mountain Range |
| 1. K2 - | | Karakoram range |
| 2. Kamet - | | Tibetian Plateau |
| 3. SaserKangri- | | Ladakh |
- Select the correct answer using the code given below :
- (a) 1 and 2 only
 (b) 2 and 3 only
 (c) 1 and 3 only
 (d) 1, 2 and 3
26. Select the correct answer with reference to location of Donbas region
 (a) Located in Ukraine
 (b) Located in Russia
 (c) Located in Belarus
 (d) Located in Mangolia
27. Consider the following countries :
- Turkey
 - Kyrgyzstan
 - Belarus
 - Finland
 - Norway
- Which of the above countries have borders with Russia ?
 (a) 1, 2 and 5 only
 (b) 1, 2, 3 and 4 only
 (c) 3, 4 and 5 only
 (d) 1, 2, 3, 4 and 5
28. With reference to Uranium, consider the following statements:
 1. Uranium is a rare earth mineral.
 2. Jaduguda is the first mine in the country to produce uranium ore in a commercial scale
 Which of the statements given above are correct ?
 (a) 1 only
 (b) 2 only
 (c) Both 1 and 2
 (d) Neither 1 nor 2
29. With reference to Summer and Winter Solstice, consider the following statements,
 (a) During the summer solstice, sun is directly over the Tropic of Capricorn.
 (b) During the winter solstice sun is directly over the Tropic of Cancer.
 (c) In the Sothern Hemisphere the summer solstice occurs on 20 or 21 and the winter solstice on December 21 or 22.
 (d) At the winter solstice the day is the year's shortest, and at the summer solstice it is the year's longest.
30. Consider the following pairs :
- | | | |
|-----------------------|----|---------------------|
| Major Dams | :: | State(India) |
| 1. Rihand Dam - | | Jharkhand |
| 2. BhavaniSagar Dam - | | Tamil Nadu |
| 3. Bislapur Dam - | | Rajasthan |
| 4. SardarSarovar Dam- | | Gujarat |
- How many pairs given above are correctly matched ?
 (a) Only one pair
 (b) Only two pairs
 (c) Only three pairs
 (d) All four pairs

31. In reference to Open Source Platforms, consider the following statements
1. It grants right to use the platform.
 2. It grants right to study the platform.
 3. It grants right to change the platform.
 4. It grants right to distribute the platform to anyone.
- Select the correct answer from options given below
- (a) Only one statement is correct
 - (b) Only two statements are correct
 - (c) Only three statements are correct
 - (d) All the statements are correct
32. Consider the following statements with reference to 5G technology.
1. It's expected to have lower latency with better instantaneous, real-time access of the data.
 2. There will be up to 100 x increase in traffic capacity and network efficiency.
 3. 5G can provide 120 frames per second, high resolution and higher dynamic range video streaming without interruption.
- Select the correct answer from options given below
- (a) Only one statement is correct
 - (b) Only two statements are correct
 - (c) All three statements are correct
 - (d) None of the statements are correct
33. Consider the following statements with reference to Blockchain technology
1. No one computer or organization can own the chain.
 2. The data present inside the Blockchain is permanent and cannot be deleted
3. Technology is assumed to offer high security as all the transactions of Blockchain are cryptographically secure and provide integrity
- Select the correct answer from options given below
- (a) Only one statement is correct
 - (b) Only two statements are correct
 - (c) All three statements are correct
 - (d) None of the statements are correct
34. Select the correct statement with reference to Quantum Key Distribution (QKD) technology.
- (a) It is primarily a mechanism to undertake secure communication
 - (b) The technology enables single communicating side to come up with random secret keys which are not shared
 - (c) India is yet to join the league of countries who have developed this technology.
 - (d) It is for defence purpose and cannot be used for various civilian applications.
35. Select the correct statement in context of Visible light Communication Technologies
- (a) It is a wired data communication technology.
 - (b) The technology uses fluorescent lamps.
 - (c) To send data a modulation of light is not required.
 - (d) LED lights are used to transmit data over long distance.

36. In reference to Long Range Radio(LoRa) used for communication, consider the following statements.
1. It transmits small chunks of data with low bit rates.
 2. It is a new dedicated low cost financial network
 3. It is developed by RBI
- Select the correct answer from options given below
- (a) Only one statement is correct
 - (b) Only two statements are correct
 - (c) All three statements are correct
 - (d) None the statements are correct
37. Consider the following statements with respect to 'Biochar'
1. Biochar is obtained from the thermochemical conversion of biomass in an oxygen-limited environment.
 2. Process of Pyrolysis is used to obtain Biochar
 3. It has very less soil health benefits
- Select the correct answer from code given below
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
38. Consider the following statements with respect to 'Eucaryots'
1. They are complex and multicellular organisms.
 2. Mitosis and meiosis both occurs in eucaryots.
 3. Genetic Information is stored in Plasma membrane
- Select the correct answer from code given below
- (a) 1, 2, 3, 4 and 5 only
 - (b) 3, 4 and 5 only
 - (c) 1, 3, 4, 5 and 6 only
 - (d) 1, 2, 3, 4, 5 and 6
39. Select the correct options related to Lumpy Disease which was recently in news.
- (a) It is an infectious viral disease of cattle
 - (b) Severity of the disease always remains same between breeds and strains of cattle
 - (c) The disease has been confined to sub-Saharan Africa only
 - (d) Can be transmitted to Humans if they come in contact.
40. If a major solar storm reaches the Earth, which of the following are the possible impact on the Earth ?
1. Radiation poisoning to humans
 2. Heavy Rainfall at the windward side of the mountain
 3. A temporary disturbance of the Earth's magnetic field.
 4. It can shift the path of satellites
 5. Migration of animals is likely to happen
 6. It will slowdown earths speed of rotation
- Select the correct answer from code given below
- (a) 1, 2, 3, 4 and 5 only
 - (b) 3, 4 and 5 only
 - (c) 1, 3, 4, 5 and 6 only
 - (d) 1, 2, 3, 4, 5 and 6

41. With reference to CoP 27, consider the following definitions
1. Mitigation - The world is not on track to achieve the Paris Agreement's stated goal of limiting global temperature rise to 1.5 or 2°
 2. Adaptation - At COP 26, the Glasgow-Sharm el-Sheikh (GlaSS) work programme was established till 2023 to define the Global Goal on Adaptation (GGA) and set up robust tracking mechanisms
 3. Action on Water Adaptation or Resilience (AWARe) was launched by Egypt's COP27 Presidency, in partnership with World Meteorological Organization (WMO).
- Select the correct answer from code given below
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
42. Which of the following was initiated/ adopted during Glasgow Climate Meet (Cop26)?
1. International Solar Alliance (ISA)
 2. One Sun Declaration
 3. Panchamrit strategy
 4. Dharamshala Declaration
- Select the correct answer using the code given below:
- (a) 1 and 4 only
 - (b) 2 and 3 only
 - (c) 1, 2 and 4 only
 - (d) 1, 2, 3 and 4
43. In context of Riparian Buffers, select the correct answer from options given below
- (a) They are vegetated areas near a stream, usually forested, which helps shade and partially protect the stream from the impact of adjacent land uses.
 - (b) They are vegetated areas within deserts which act as buffer zone for travellers and animals.
 - (c) They are completely barren lands.
 - (d) They are vegetated areas beside ocean, which helps shade and partially protect the marine life from the impact of adjacent land uses.
44. Consider the following statements on National Ambient Air Quality Standards:
1. The National Ambient Air Quality Standards were established by the Central Pollution Control Board.
 2. They are legally binding on the States and Union Territories.
- Which of the statement(s) given above is/are correct?
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
45. Mycorrhiza increase the capability of plant roots to absorb nutrients like nitrogen and phosphorus. In return, the roots of the host provide support and a constant supply of carbohydrates for consumption. The biotic interaction expressed by such behaviour is _____.
- (a) Mutualism
 - (b) Commensalism
 - (c) Amensalism
 - (d) Neutralism

46. Consider the following statements about the nitrogen cycle:
1. Nitrogen in the atmosphere cannot be directly used as a nutrient by any plants or animals.
 2. Ammonia can be a direct source of nitrogen for some plants.
 3. The nitrates present in the soil are reduced to nitrous oxide gas by the process of ammonification.
- Select the correct answer using the code given below:
- (a) 1, 2 and 3
 - (b) 1 and 2 only
 - (c) 3 only
 - (d) None of the above
47. Which among the following are the examples of basic adaptations that help animals and plants to survive in their respective environments?
1. Gills and fins in fishes.
 2. Shape of bird's beak.
 3. Fur thickness of polar bear.
- Select the correct answer using the code given below:
- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
48. Consider the following statements:
1. The highest concentration of phytoplanktons is found in tropical sea water.
 2. Phytoplanktons are responsible for the transfer of carbon dioxide from the atmosphere to the ocean.
- 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
49. Which of the following features has been recognized for the first time by 'National Wildlife Action Plan' in its 2017-2031 edition?
- (a) Landscape Approach in conservation of wildlife which have an ecological value.
 - (b) Increased participation of Private Sector in wildlife conservation.
 - (c) Integrating climate change mitigation efforts with wildlife management planning.
 - (d) Wildlife health and control of illegal trade in wildlife.
50. A "consciously designed landscapes, which mimic the patterns and relationships found in nature, while yielding an abundance of food, fibre, and energy for provision of local needs." Describes which type of agricultural practice?
- (a) Floating farming
 - (b) Permaculture farming
 - (c) Vermicompost farming
 - (d) Contour farming

51. The Indian Councils Act 1909, which brought about a limited increase in the involvement of Indians in the governance, consider the following statements?
1. Advocation of separate Muslim electorates in all provinces
 2. Local bodies would now directly elect members of central legislature through electoral college
 3. British executive retained an absolute veto over all legislation
 4. Elected Indians were not permitted to discuss foreign policy
- Select the correct answer using the code given below:
- (a) 2 and 3 only
 - (b) 3 and 4 only
 - (c) 1, 3 and 4 only
 - (d) 1, 2 and 4 only
52. With reference to Medieval India, what does the term 'Zawabit' mean.
- (a) A rule of action obligatory for the king.
 - (b) A tax imposed on religious pilgrims
 - (c) A sect of Islam followers in India
 - (d) It refers to son-in-law of the emperor
53. Which of the following revolutionaries were associated with Hindustan Socialist Republican Association (HSRA)
1. Sachindra Nath Sanyal
 2. Jogesh Chandra Chatterjee
 3. BK Dutt
- Select the correct answer from code given below
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
54. With reference to the proposals of Cabinet Mission, consider the following statements:
1. The centre's power was to be confined only to foreign affairs, defence and currency.
 2. Princely States will retain all subjects and powers other than those ceded to the Union.
- 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
55. With reference to Indian history, consider the following about Tripitaka texts:
1. Suttavibhanga deals with governing rules of sangh and monks comes under Abhidhammapitaka
 2. Yamaka dealing with Buddha comes under Sutta Pitaka
 3. DighaNikaya a collection of Buddha's sermons, comes under Vinaya Pitaka
- Which of the above are **INCORRECT** about the texts?
- (a) 1 and 3 only
 - (b) 2 and 3 only
 - (c) 1 and 2 only
 - (d) 1, 2 and 3

56. With reference to Indian history, consider the following pairs:

**Buddhist :: Their work
Scholars**

1. Ashwaghosha - Saundaramana-kavya
2. Nagarjuna - PanchaSkanda-Prakarana
3. Buddhaghosha - Praman asamuccaya

How many pairs given above are correctly matched?

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

57. With reference to Indian history of Delhi sultanate, consider the following statements:

1. The first invasion in India happened under the leadership of Mahmud of Ghazni.
2. The famous Koh-i-Noor diamond was looted during the Delhi sultanate era.
3. Daulat khan lodi was the last sultan of Delhi sultanate.

Which of the statements given above is/are correct?

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

58. With reference to Indian history, what does the term "Dahsala System" mean ?

- (a) Education System
- (b) Pilgrimage visit system
- (c) A gurukul system
- (d) Land taxation system

59. With reference to Indian history, consider the following statements:

1. The first french factory was established in Masulipatam.
2. French purchased Chandernagore from the Mughal Governor of Bengal.
3. With giving over Pondicherry, Yanam, Mahe and Karaikal to the Indian Union, French colonialism in India ended.

Select the correct answer using the code given below.

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

60. According to Mauryan Administration, consider the following statements.

1. Administrative control was strongest in the capital and in provincial centres.
2. Communications along the land and riverine routes were developed.
3. Committees and sub-committees were formed for coordinating military activities.

Select the correct answer using the code given below.

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

61. With reference to Indian Economy, what are the advantages of Indian Debt Market?

1. Fragmentation of credit risk to debt and equity market will make our financial system stronger.
2. The scope for directed lending only to specific larger companies will reduce.
3. It serves as an alternative to bank credit

Select the correct answer from code given below

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

62. Consider the following States:

1. Andhra Pradesh
2. Kerala
3. West Bengal
4. Orissa

How many of the above are known as coffee-producing States?

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

63. Consider the following statements with reference to credit rating agencies in India:

1. Credit rating agencies primarily rate the lending abilities of investors.
2. In India, credit rating agencies have to be registered with the Securities and Exchange Board of India.
3. CRISIL is the only credit rating agency of India.

Select the correct answer from code given below

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

64. With reference to the 'Reserve Bank of India (RBI)', which of the following statements are correct?

1. Last year, RBI has announced an expert committee on primary urban cooperative banks. The chairman of the committee is NS Vishwanathan.
2. Governor of RBI acts as a chairman of Banks Board Bureau.
3. Reserve Bank of India (RBI) has announced that the first pilot for the retail version of the Digital Rupee would be introduced on December 1, 2022.

Select the correct answer using the code given below:

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

65. Which of the following is/are the likely implications of an increase in Bond Yields on the Indian economy?

1. Profit depreciation for Indian banks.
2. Increase in capital inflows into the equities market.
3. Increase in borrowing cost of defence in the equipment economy.

Select the correct answer using the code given below.

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

66. Consider the following:
1. Asian-African Legal Consultative Organization
 2. Australia Group
 3. Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation
- India is member of which of the above organisation ?
- (a) 1 and 2 only
 - (b) 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
67. Recently in news 'Transatlantic alliance', with reference to it consider the following statements
1. A real-world expression of West - of a sense that both sides of Atlantic are together.
 2. The collective security and shared prosperity of the USA and Europe are built through the alliance
 3. Transatlantic Trade and Investment Partnership (T-TIP) south-american are also part of the partnership.
- Select the correct answer from code given below
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
68. Which ministry is responsible for declaring Minimum support price (MSP) ?
- (a) Ministry of Agriculture
 - (b) Ministry of Statistics and Programme Implementation
 - (c) Ministry of Finance
 - (d) Ministry of Commerce & Industry, Department of Commerce
69. With reference to Digital rupee, consider the following statements
1. First pilot in the Digital Rupee, Wholesale segment will commence on November 1, 2022
 2. Digital Rupee is a digital form of currency notes issued by a central bank.
 3. It can be defined as the legal tender
- Select the correct answer from code given below
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
70. This protected site mostly consists of tropical forests along with unique genetic reservoir of cultivated plants like cardamom and pepper. It constitutes three wildlife sanctuaries and one tiger reserve. It is home to Kani tribes and occupies a prominent place in the epic Ramayana. Which of the following protected areas could be this?
- (a) Nilgiri Biosphere Reserve
 - (b) Pachmari Biosphere Reserve
 - (c) Agasthyamalai Biosphere Reserve
 - (d) Achanakmar-Amarkantak Biosphere Reserve
71. Which ministry defines Special economic zone (SEZ) in India ?
- (a) Ministry of rural development
 - (b) Ministry of Commerce & Industry, Department of Commerce
 - (c) Ministry of shipping
 - (d) Ministry of New and Renewable Energy

72. In context of functions of the Enforcement Directorate (ED) consider the following statements.

1. Investigating violations of Foreign Exchange Management Act (FEMA) laws and provisions.
2. Investigating offences of Prevention of Money Laundering Act, 2002 (PMLA) laws and provisions.
3. Processing cases of fugitive/s from India under the Fugitive Economic Offenders Act, 2018.
4. Adjudicating show-cause notices issued under the repealed FERA (Foreign Exchange Regulation Act, 1973)

Select the correct answer using the code given below:

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

73. Which of the following statement is **INCORRECT** relating to the Ninth Schedule of the Indian Constitution?

- (a) It was inserted by the first constitutional amendment act, 1951.
- (b) The acts and regulations in the ninth schedule are protected by article 318 of the Indian constitution.
- (c) In the famous I.R. Coelho case, the Supreme court ruled that all the acts and regulations under the ninth schedule are not open to challenge in court.
- (d) It deals with the state acts and regulations that deal with land reforms and the abolition of the zamindari system.

74. Consider the following statements regarding 'Community Reserves' in Indian context:

1. Community Reserves act as buffer zones for national parks, wildlife sanctuaries and other protected forests.
2. Community Reserves are completely owned by government but can be used by local communities for subsistence.

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

75. With reference to guidelines issued by the Central Ground Water Authority (CGWA) to regulate the extraction of groundwater, consider the following statements:

1. Annual water audits are compulsory for industrial users.
2. It is mandatory for mining projects to get a No Objection Certificate (NoC) for withdrawal of groundwater.
3. Domestic consumers and farmers do not need NoC for drawing water up to a limit.

Select the correct answer from code given below

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

76. With reference to PM MITRA Parks Scheme, consider the following statements:
1. The scheme will strengthen the Indian food processing industry by reducing logistics cost by housing the entire value chain at one location.
 2. PM MITRA Park will be developed by a Special Purpose Vehicle (SPV) set up by the State Government.
- 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
77. With reference to UNICEF, consider the following statements
1. Nodal Ministry : Ministry of Social Justice for implementry UNICEF projects
 2. Call to Action, 2013 : This initiative was launched to reduce under-five mortality.
- 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
78. With reference to Polar Wandering, consider the following statements
- (a) It is the migration of the magnetic poles over Earth's surface through geologic time
 - (b) Polar wander is the motion of a pole in relation to moon light.
 - (c) It is impossible to have any reference and observe the relative motion of the magnetic pole
 - (d) Solar wind has a huge impact on Polar wandering
79. With reference to Jute Board, consider the following statements
1. The National Jute Board (NJB) is the apex body for promotion of Indian Jute. Set up under "National Jute Board Act, 2008"
 2. the Board is chaired by the Minister of Textiles, Government of India.
 3. The Headquarter of the National Jute Board is in Kolkata
- Select the correct answer from code given below
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
80. Consider the following statements about Madden Julian Oscillation:
1. Madden Julian Oscillation is a moving 'pulse' of clouds, rainfall, winds near the equator that moves from east to west.
 2. Since the Madden Julian Oscillation occurs around equator it does not affect Indian monsoon pattern.
- 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

81. In the context of clouds, consider the following statements:

1. Cirrus clouds are usually thin.
2. Cirrus clouds often indicate fair weather.
3. Cumulonimbus clouds are dense towering vertical cloud.
4. Cumulonimbus clouds are associated with thunderstorms and atmospheric instability.

Select the correct answer using the code given below:

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

82. With reference to Xinxiang Province, consider the following statements

1. Resided by the Uighurs, it is a predominantly Muslim minority Turkic ethnic group.
2. China recognises the community of this province as a regional minority and accepts that they are an indigenous group.

Which of the above statements is/are correct?

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

83. Consider the following countries:

1. Armenia
2. Portugal
3. Croatia
4. Romania
5. Belgium

Which of the above are members of the NATO ?

- (a) 1, 2 and 4 only
- (b) 1 and 3 only
- (c) 2 and 5 only
- (d) 2, 3, 4 and 5 only

84. India's single largest solar park by NTPC (National Thermal Power Corporation) is set to come up in the state of

- (a) Gujarat
- (b) Rajasthan
- (c) Tamil Nadu
- (d) Uttar Pradesh

85. Consider the following statements about the Coastal Regulation Zone (CRZ) norms notified by the Ministry of Environment, Forest and Climate Change (MoEFCC):

1. A No Development Zone (NDZ) of 2000 meters has been declared for all islands close to the mainland coast.
2. Temporary tourism facilities such as shacks, toilet blocks, change rooms etc. are not permitted on beaches.

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

86. Indian subcontinent experiences 'Western Disturbances' during winter season. Such disturbances originate from _____ and end in _____?
- Caribbean Sea, Philippine Sea.
 - Caspian Sea, South China Sea.
 - Mediterranean Sea, East China Sea.
 - East Sea, Mediterranean Sea.
87. Consider the following pairs of countries (location) and Important reason for being in the news recently
- Liverpool- UNESCO World Heritage Status has been stripped off
 - Pashupatinath Temple/Nepal - India's assistance in the construction of sanitation facility
 - Australia - Announced as host of the 2032 Olympics
 - Pakistan - Financial Action Task Force, or FATF, added this country to the 'grey list'.
- How many pairs given above are correctly matched?
- Only one pair
 - Only two pairs
 - Only three pairs
 - All four pairs
88. Consider the following pairs:
Region often mentioned in the news :: Country
- Baltic Sea - The navies of India and Russia concluded the 12th edition of the biennial Exercise Indra.
 - Black Sea - The sinking of the huge Russian warship Moskva.
 - PangongTso - The continued border tension between India and China in Ladakh.
89. Which among the following can be found in the 'Nilgiri Biosphere Reserve' of India?
- NilgiriTahr
 - Indian Bustard
 - Lion - Tailed Macaque
 - Red Panda
- Select the correct answer from code given below
- 1 and 2 only
 - 2 and 3 only
 - 1 and 3 only
 - 1, 2 and 3
- Select the correct answer using the code given below:
- 1 and 3 only
 - 2 and 3 only
 - 3 and 4 only
 - 2, 3 and 4 only
90. Select the correct answer with reference to Gharials
- It survives in several severely fragmented populations in India and Myanmar
 - Katarniaghat Wildlife Sanctuary is associated with Gharials in India
 - It is Protected under Schedule-II of Wild Life (Protection) Act, 1972
 - Project Crocodile: By CITES and UNDP in 1975

91. With reference to Indian history, consider the following pairs:
- | Ancient Temple :: | State |
|------------------------------|--------------|
| 1. Konark Temple - | Orissa |
| 2. Jagatpita Brahma Mandir - | Rajasthan |
| 3. Kailashnath Temple - | Uttarakhand |
- How many pairs given above are correctly matched?
- (a) None of the pairs
(b) Only one pair
(c) Only two pairs
(d) All three pairs
92. With reference to Medieval Indian history, consider the following pairs:
- | Dynasties :: | Historical person |
|---------------------|--------------------------|
| 1. Bahamani - | Zafar Khan |
| 2. Chalukhyas - | Satyashraya |
| 3. Slave dynasty - | Qutb-ud-din Aibak |
- How many pairs given above are correctly matched?
- (a) None of the pairs
(b) Only one pair
(c) Only two pairs
(d) All three pairs
93. Which one of the following statements about Sangam literature period in ancient South India is correct?
- (a) All the three Sangams took place at same place under the patronage of the Pandya kings.
(b) Women contributed to sangam literature but not in economic activities.
(c) Agricultural operations were generally carried on by the members of the lowest class known as kadai-siyar.
(d) Sangam period was completely unaware about Foreign trade
94. Ain-i-Akbari or the "Administration of Akbar", is a 16th-century detailed document recording the administration of the Mughal Empire under Emperor Akbar, written by
- (a) Abdul Rahim Khan-i-Khanan
(b) Kamran Mirza
(c) Abu'lFazl
(d) Askari Mirza
95. Adi Shankaracharya, the prime mover behind Advaita Vedanta, composed many commentaries and songs to spread his message far and wide. Which of the following are his compositions?
1. Vivekachudamani
2. Saundarya Lahari
3. Bhaja Govindam
4. Nirvana Shatakam
- Select the correct answer using the code given below:
- (a) 1, 2 and 3 only
(b) 1, 3 and 4 only
(c) 2, 3 and 4 only
(d) 1, 2, 3 and 4
96. With reference to features on Mahabalipuram Temple, consider the following statement.
1. It is built under the patronage of the Pallava rulers
2. The temple has both shiva and vishnu shrine
3. Dvarapalas at the entrance are absent in Mahabalipuram temple

Select the correct answer from code given below

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

97. Which one of the following statements best describes the cells in Bone Marrow of human body?

- (a) Red bone marrow contains mesenchymal stem cells, or marrow stromal cells.
- (b) Yellow bone marrow consists of a delicate, highly vascular fibrous tissue containing hematopoietic stem cells.
- (c) Bone marrow contains two types of stem cells.
- (d) Mesenchymal stem cells are blood-forming stem cells.

98. Consider the following statements:

- 1. Bio-similar drugs are identical copies of biological drugs made through the help of biotechnology.
- 2. The Bio-Similar drugs are made from natural sources only.
- 3. Bio-similar drugs are a generic version of the biologic drug.

Select the correct answer using the code given below:

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

99. Consider the following statements regarding Gel electrophoresis :

- 1. It is used to separate DNA fragments.
- 2. It involves running a current through a gel containing the molecules of interest.
- 3. Determining the absolute size of a piece of DNA is not possible through this technique.

Select the correct answer using the code given below:

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

100. Consider the following:

- 1. Higher Concentration of Hydrogen ions in the Water
- 2. Waste Disposal
- 3. Raised Carbon IV oxide Concentration in the Atmosphere
- 4. Improper Land Management

Which of the above are reasons behind ocean acidification?

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

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