



VIDHVATH ACADEMY FOR COMPETITIVE EXAMS

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FULL LENGTH TEST: VPT046

GENERAL STUDIES

TEST BOOKLET

Time Allowed: 120 mins

Maximum Marks: 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED OR TURN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
 2. ENCODE CLEARLY THE TEST BOOKLET SERIES 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. Do NOT write anything else on the Test Booklet.
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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 with 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 direction in the answers sheet.
 6. All items carry equal marks. Attempt all items. Your total marks will depend only on the number of correct responses marked by you in the answer sheet. For every incorrect response $1/3^{\text{rd}}$ (0.66) of the allotted marks will be deducted.
 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 sheets as per instruction sent to you with your Admission Certificate.
 8. After you have completed filling in all responses on the answer sheet and the examination has concluded, you should hand over to Invigilator only the answer sheet. You are permitted to take away with you the Test Booklet.
 9. Sheet for rough work are appended in the Test Booklet at the end.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO

1. Consider the following:

1. Habeas Corpus
2. Mandamus
3. Prohibition
4. Quo Warranto
5. Certiorari

How many of the writs mentioned above can be issued against Administrative Authorities?

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

2. The recent Supreme Court verdict in the M K Ranjitsinh vs. Union of India case was related to which of the following?

- (a) Right to Marriage for LGBT section
- (b) Right to Abortion for teenage girls
- (c) Right against Climate Change
- (d) Right to Information against Electoral Bond scheme

3. Consider the following statements about the Preamble of the Constitution of India:

1. The Preamble laid down the fundamentals and philosophy of the Constitutional structure.
2. The Preamble clearly mentions the date on which the Constitution came into force.
3. The American Constitution was the first to include the Preamble in its Constitution.

How many of the above statements are correct?

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

4. Consider the following countries:

1. Egypt
2. UAE
3. Argentina
4. Iran
5. Saudi arabia

How many of the above-mentioned countries have recently joined the BRICS

grouping as full-time permanent members?

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

5. Consider the following statements with reference to the National Register of Citizens (NRC):

1. The central government has the power to compulsorily register every citizen of India and issue national identity cards.
2. The first NRC was compiled in 1957, based on the data of the 1951 Census.
3. As of January 2022, NRC has been implemented in the northeastern states under the directives of the Ministry of Development of North Eastern Region.

Which of the above given statements is/are not correct?

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

6. Consider the following:

1. To determine the boundaries between States of sixth schedule areas
2. To safeguard the rights and the interests of Scheduled Tribes
3. To determine the authority and responsibilities of Panchayats
4. To protect the interests of all the citizens in the Border States

How many of the above provisions are there in the fifth and sixth schedules of the constitution of India?

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

7. Consider the following statements with reference to limitations on Fundamental Rights:

1. Statement I: In the United States, the limitations are pronounced by the Supreme Court, whereas in India, they are part of the Constitutional provisions.
 2. Statement II: The Constitution of India formulates fundamental rights in absolute terms and does not depend upon the Supreme Court.
- 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 is the correct explanation for Statement I.
 - (b) Both Statement I and Statement II are correct and Statement II is not the correct explanation for Statement I.
 - (c) Statement I is correct but Statement II is incorrect.
 - (d) Statement I is incorrect but Statement II is correct.
8. Which of the following best describes the aim of the 'PRERANA' program of the Government of India?
- (a) Connecting institutions of higher education with local communities to address development challenges through appropriate technologies.
 - (b) Inspiring young students through learning with the best-in-class technology that blends heritage and innovation.
 - (c) Facilitating academic and research collaborations between Indian institutions and leading global institutions.
 - (d) None of the above
9. Consider the following statements :
1. To protect monuments, places and objects of national importance.
 2. To promote the educational and economic interests of weaker sections of the society.
 3. To provide free legal aid to the poor.
- Which of the above Directive Principles of State Policy reflects the ideology of socialism?

- (a) 3 only
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
10. The inclusion of the right to form cooperative societies under Article 19(c) was done through which one of the Constitutional Amendment Acts?
- (a) Ninety-seventh Amendment Act
 - (b) Eighty-sixth Amendment Act
 - (c) Forty-fourth Amendment Act
 - (d) Tenth Amendment Act
11. With respect to the 86th Constitutional Amendment Act 2002, which one of the following is correct?
- (a) It was the only constitutional amendment enacted through a joint sitting.
 - (b) It was the only constitutional amendment passed as a private member bill.
 - (c) It has made changes in Part III, Part IV and Part IVA of the constitution
 - (d) It was the only constitutional amendment that changed the Ninth schedule of the constitution.
12. India's attempts to mediate peace in the ongoing conflict between Ukraine and Russia can be attributed to which one of the following articles of the constitution?
- (a) Article 21
 - (b) Article 51
 - (c) Article 19
 - (d) Article 30
13. In the context of equality in India, which of the following concepts is/are most appropriate?
1. Access to the same opportunities
 2. Equality of rights
 3. Equal access to privileges
- Select the correct answer using the code given below:
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 only

(d) 1 and 3 only

14. Consider the following statements :

1. Statement I: The right to freely profess, practice, and propagate is enshrined under Article 25 of the Constitution.
2. Statement II: The individual right to freedom of conscience ensures that a person cannot be allured or forced to alter his faith through religious conversion.

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 is the correct explanation for Statement I.
- (b) Both Statement I and Statement II are correct and Statement II is not the correct explanation for Statement I.
- (c) Statement I is correct but Statement II is incorrect.
- (d) Statement I is incorrect but Statement II is correct.

15. Recently, which one of the following countries has been certified as malaria-free by the World Health Organization?

- (a) Cameroon
- (b) Ivory Coast
- (c) Burkina Faso
- (d) Cabo Verde

16. Consider the following :

1. Quartz
2. Mica
3. Calcite
4. Gypsum

Which of the above-mentioned are primary minerals found in the soil?

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

17. Which of the following statements describes the difference between the El Nino and La Nina conditions?

1. Trade winds are weaker during El Nino compared to La Nina.
2. El Nino results in more nutrients for the species than La Nina.
3. El Niño can delay the onset of monsoon season in India.

Select the correct answer using the codes given below:

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

18. Consider the following types of climate :

1. Equatorial type
2. Savanna type
3. Desert type
4. Mediterranean type
5. Steppe type

Which of the above-mentioned climates can be found in the African continent?

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

19. Which of the following is a primary objective of the PM Schools for Rising India (PM-SHRI) scheme?

- (a) To establish new schools for physically disabled students.
- (b) To enhance the quality of education through upgrading existing school infrastructure
- (c) To provide free education to all students in government schools
- (d) To introduce a uniform curriculum across all schools in India

20. Which principle states that the Earth's lithosphere floats on the semi-ductile asthenosphere and adjusts to maintain gravitational equilibrium?

- (a) Plate Tectonics theory
- (b) Theory of Isostasy
- (c) Continental Drift theory
- (d) Thermal Convection

21. Coral reefs thrive in specific geographical conditions. Which of the following conditions are essential for the growth of coral polyps?

1. Presence of Freshwater
2. A High proportion of Ocean salinity
3. Absence of Ocean currents and waves
4. Extensive submarine platforms

Select the correct answer using the codes given below:

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

22. "The predominant vegetation is cool temperate forest; summers are as warm as the tropics, winters are long and severe, rainfall is heavy, and the people focus on lumbering and fishing." The above statement best describes which of the following regions?

- (a) British type climate
- (b) Laurentian climate
- (c) Siberian climate
- (d) Steppe climate

23. Which of the following is the primary focus of the National Biopharma Mission?

- (a) To develop affordable vaccines
- (b) To establish new biotechnological research centres
- (c) To support biomedical research for understanding the causes of human diseases
- (d) To improve the sustainable use of biofuel technology

24. Consider the following statements :

1. The Continental crust is lighter than the oceanic crust.
2. The Continental crust is formed primarily at subduction zones.
3. The Continental crust is richer in iron and magnesium than the oceanic crust.

Which of the statements given above is/are correct?

- (a) 2 only

(b) 1 and 2 only

(c) 2 and 3 only

(d) 1 and 3 only

25. Consider the following statements :

1. A warm front is formed when the moving cold airmass comes into contact with the stationary warm airmass.
2. A cold front is formed when the moving warm airmass comes into contact with the stationary cold airmass.

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

26. Consider the following pairs:

Native People Region

1. Hausa - Nigeria
2. Masai - Tanzania
3. Sami - Gobi Desert
4. Bedouin - Arabia

How many of the above-given pairs are correct?

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

27. With reference to the Krishi-DSS platform, consider the following statements:

1. Krishi-DSS is an initiative to enhance farmers' access to climate and crop advisory services.
2. It integrates satellite images, weather information, reservoir storage, groundwater levels and soil health information.
3. Krishi-DSS is exclusively designed to promote organic farming practices across India.

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

28. Consider the following descriptions:

"It is located between 50 and 200 latitudes on either side of the equator. It is characterised by an alternate hot, rainy, and cool, dry season. The trees present are deciduous and shed their leaves in the cool, dry season. It is a transitional zone between the wet equatorial in the south and the semi-arid Steppe in the north."

This is the most likely description of

- (a) China Type Climate
- (b) Monsoonal Type Climate
- (c) Sudan Type Climate
- (d) British Type Climate

29. Consider the following statements with respect to polymetallic nodules :

1. Polymetallic nodules primarily contain more manganese than iron.
2. They occur mostly at deeper depths in areas of extremely low sedimentation rates.
3. Polymetallic nodules are found in all the oceans and even in lakes.

How many of the statements given above are correct?

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

30. Consider the following statements:

1. The velocity of primary waves increases as the density of the rocks increases.
2. Secondary waves cause the ground to move in the direction of wave propagation.
3. The presence of a shadow zone for S-waves indicates the presence of the Earth's liquid outer core.

Which of the above statements are correct?

- (a) 1 and 2 only

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

31. With respect to Monetary Aggregates, consider the following statements:

1. Reserve money will decrease if there is more currency in circulation.
2. Broad money includes borrowings from Non-depository financial corporation's by the banking system.

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

32. Consider the following statements:

1. Currency with the public
2. Current deposits with the banking system
3. Term deposits with the banking system
4. Other deposits with the RBI

Which of those mentioned above are included in calculating the Narrow Money (M1)?

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

33. With respect to the 15th Finance Commission recommendations, consider the following statements:

1. It is recommended that the centre and states bring down the fiscal deficit to 4% of GDP by 2025-26.
2. It recommends adopting a new cost-sharing pattern for disaster management funds between the centre and the states.
3. The total grant allocated for rural local bodies is more than that of urban local bodies.

Which of the statements given above is/are correct?

- (a) 1 only

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

34. Consider the following statements with respect to India's first indigenously developed hydrogen fuel cell ferry boat:

1. It is jointly developed by the Council for Scientific and Industrial Research and the Inland Waterways Authority of India.
2. It emits no noise, produces no emissions, and releases no pollutants.
3. The hydrogen fuel cells used in this ferry boat do not require recharging.

How many of the statements given above are correct?

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

35. With reference to the budget management principles of the government, consider the following statements :

1. Effective revenue deficit is calculated by adding the grants provided to states for the creation of capital assets to revenue deficit.
2. Primary deficit will become zero when fiscal deficit becomes equal to the interest payments.

Which of the statements given above are correct?

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

36. Consider the following statements :

1. Statement-I: The central government's fiscal deficit has reduced from 6.4% of GDP in 2022-23 to 5.6% in 2023-24.
2. Statement-II: In 2023-24, the central government witnessed strong growth in direct and indirect tax collections and restrained revenue expenditure.

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 explain.
- (c) Statement-I is correct, but Statement-II is incorrect.
- (d) Statement-I is incorrect, but Statement-II is correct.

37. Consider the following :

1. Decrease in merchandise trade deficit
2. Increase in net services exports
3. Increase in remittances

How many of the conditions mentioned above can lead to an increase in the current account deficit?

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

38. Consider the following statements with respect to "Melanochlamys droupadi":

1. It is Gonochoric invertebrate species found along the coasts of West Bengal and Odisha.
2. They are brownish-black in colour, with shells present inside the body.

Which of the statements given above are correct?

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

39. Consider the following statements with reference to the 'Financial Stability and Development Council':

1. The council was set up by the Government as an organ of NITI Aayog.
2. The Chairman of the Council is the finance minister, and its members include the heads of financial sector regulators.

3. The council focuses on financial literacy and financial inclusion among other areas.

Which of the statements given above is/are correct?

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

40. Consider the following statements :

- Statement 1: Inflation targeting enhances the transparency of the central bank's credibility and accountability.
- Statement 2: Inflation targeting is a monetary policy framework that commits the central bank to achieve inflation at the desired level.

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 is the correct explanation of Statement I
(b) Both Statement I and Statement II are correct, but Statement II is not the correct explanation of Statement I
(c) Statement I is correct, but Statement II is incorrect
(d) Statement I is incorrect, but Statement II is correct

41. With respect to the Consumer Price Index- Industrial Worker (IW), consider the following statements:

- The index measures the change in the price of a commodity basket consumed by industrial workers.
- The base year for calculating CPI-IW is 2001, which is released by the Labour Bureau on a monthly basis.

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

42. Consider the following pairs :

Stage of Nuclear Programme of India - Reactors to be used

- | | |
|-----------------|-------------------------------------|
| 1. First Stage | A. Pressurised Heavy Water Reactors |
| 2. Second Stage | B. Fast Breed Reactors |
| 3. Third Stage | C. Advanced Heavy Water Reactors |

How many of the pairs given above are correctly matched?

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

43. Consider the following statements :

- Headline inflation is the measure of total inflation in an economy.
- In India, the Wholesale Price Index is used as a primary tool for measuring the headline inflation.
- In India, during the FY 2023, headline inflation was primarily influenced by higher food inflation.

Which of the statements given above are correct?

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

44. Which of the following is the effect on the Net National Product when the Net Factor Income from Abroad is zero?

- (a) Net National Product will be more than Net Domestic Product
(b) Net National Product will be less than Net Domestic Product
(c) Net National Product will be equal to Net Domestic Product
(d) Net National Product will also be zero.

45. Consider the following statements:

- They are non-excludable goods.
- They are limited in supply.
- They have to be purchased before they can be consumed.

Which of the statements given above are characteristics of public goods?

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

46. Consider the following statements :

1. He introduced the study of Western thought at Calcutta Sanskrit College.
2. He was against all those who opposed reforms in the name of religion.
3. He was the author of the Bengali Primer "Barnaparichay".

Who is the social reformer that was described above?

- (a) Surendranath Banerjee
- (b) Keshab Chandra Sen
- (c) Ishwar Chandra Vidyasagar
- (d) David Harve

47. Which one of the following is the correct chronological order of the battles fought in India in the early 19th Century?

- (a) Battle of Ramnagar - Battle of Chillhanwala - Battle of Gujarat
- (b) Battle of Chillhanwala - Battle of Ramnagar - Battle of Gujarat
- (c) Battle of Gujarat - Battle of Ramnagar - Battle of Chillhanwala
- (d) Battle of Gujarat - Battle of Chillhanwala - Battle of Ramnagar

48. Consider the following:

1. Nizam of Hyderabad
2. Ruler of Mysore
3. Ruler of Tanjore
4. Bhonsle Raja of Berar
5. Ruler of Bharatpur

How many of the above accepted Subsidiary Alliance during the late 18th Century?

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

49. The 'Mount Erebus', recently seen in the news for the raining of gold dust on earth, is located on

- (a) Antarctica

- (b) Chile
- (c) San Marino
- (d) Madagascar

50. Which of the following acts actually committed the East India Company to allow Christian missionaries to carry on religious and educational activities in India?

- (a) Charter Act of 1793
- (b) Charter Act of 1813
- (c) Charter Act of 1833
- (d) Charter Act of 1853

51. Consider the following :

1. Prarthana Samaj
2. Widow Remarriage Association
3. Poona Sarvajanik Sabha

Mahadev Govind Ranade was associated with which of the associations mentioned above?

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

52. Which of the following movements corresponds to the content mentioned above?

- (a) Wahabi Movement
- (b) Aligarh Movement
- (c) Deoband Movement
- (d) Faraizi Movement

53. Which of the following international treaties serves as the foundational framework for the Artemis Accords?

- (a) Antarctic Treaty of 1959
- (b) Moon Treaty of 1979
- (c) Outer Space Treaty of 1967
- (d) Non-Proliferation Treaty of 1968

54. Consider the following information:
Governor - General Judiciary Reform

1. William Bentinck - Supreme Court was established as per the Regulating Act of 1773

2. Cornwallis - Europeans were brought under jurisdiction as per the Cornwallis Code
3. Warren Hastings - English language replaced Persian as the official language in the Supreme Court

How many of the pairs given above are correctly matched?

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

55. With reference to the Mysore Kingdom in the 18th century, consider the following statements

1. The Mysore Kingdom emerged out of the Mughal Empire under Hyder Ali.
2. Hyder Ali established a modern arsenal with the help of the French at Dindigul.
3. The Treaty of Madras was signed after the First Anglo-Mysore War.

How many of the statements given above are correct?

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

56. Consider the following statements:

1. Artificial Intelligence systems learn from experiences and use them in decision-making.
2. Machine learning makes predictions about new and unknown data with minimal errors.
3. Natural Language Processing is used by search engines to suggest the next word in the sentence while typing keywords.

How many of the above statements is/are correct?

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

57. Total internal reflection can take place when light travels from:

1. Air to glass
2. Glass to water
3. Air to water
4. Diamond to glass

Select the correct codes from the options given below:

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

58. "It has the day temperature up to 430°C and night temperature up to -180°C . It takes 59 days to complete one rotation. It doesn't have moons. Its surface resembles the surface of the moon. It's gaseous outer layer has the greatest percentage of oxygen compared to other planets."

The above description refers to which of the following planets?

- (a) Mercury
- (b) Earth
- (c) Jupiter
- (d) Saturn

59. Consider the following statements with respect to Smart Cities Mission:

1. It aims to promote cities that provide core infrastructure, a clean and sustainable environment and a decent quality of life to their citizens.
2. It is a central sector scheme with a main focus on a sustainable and inclusive development approach.
3. The Mission is under the Ministry of Rural Development.

Which of the statements given above is/are correct?

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

60. Consider the following statements :

1. Statement-I: Graphite and diamond are isotopes of Carbon.

2. Statement-II: Though Graphite and diamond are made of the same element, they have different physical properties and structural arrangements of atoms.

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

61. Recently India's first space based mission to study the Sun, "Aditya L1" has been launched. Which of the following detectors are used by the spacecraft to study the sun?

- 1. Electromagnetic detector
 - 2. Particle detector
 - 3. Magnetic Field detector
 - 4. Doppler current profile detector
- Select the answer using the codes given below:

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

62. Consider the following:

- 1. USA
- 2. Russia
- 3. Japan
- 4. China
- 5. India

How many of the countries mentioned above have Global Navigation Satellite Systems (GNSS)?

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

63. With reference to Indian biodiversity, Indian peafowl, black kite, and Giant Grey Shrike are:

- (a) Birds
- (b) Reptiles
- (c) Amphibians
- (d) Primates

64. Which of the following statements is correct?

- (a) The speed of the sound in a medium depends on the temperature of the medium.
- (b) The speed of sound varies for different frequencies in a given medium under the same physical conditions.
- (c) The speed of the sound in solid medium is less than the speed of the sound in gas medium at constant temperature.
- (d) All the above

65. Consider the following statements :

- 1. Unlike a free proton, a free neutron is unstable.
- 2. Unlike Coulomb's law or Newton's law of gravitation, there is no simple mathematical form of the nuclear force.
- 3. The nuclear force does not depend on the electric charge.

Which of the statements given above is/are correct?

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

66. Which of the following are examples of ecotone zones?

- 1. Grasslands
- 2. River banks
- 3. Mangrove forests
- 4. Deserts
- 5. Estuaries

Select the correct answer using the codes given below:

- (a) 3 only
- (b) 1, 3, and 4

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

67. Consider the following statements:

1. Community Reserves are non-statutory protected areas where communities engage in wildlife conservation activities.
2. The inhabitants of such reserves might benefit from the improvement in their socio-economic conditions.
3. Changes in the land use pattern by inhabitants are permitted inside such reserves.

How many of the above statements are not correct?

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

68. Consider the following information:

Conservation effort Mode of Conservation

1. Conserving rare and threatened species of plants in botanical gardens - Ex-situ conservation
2. Reintroduction of cheetahs in the wild - In-situ conservation
3. Saving individual animals in Biological parks - In-situ conservation

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

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

69. Which of the following organizations released the Global Gender Gap Index?

- (a) International Labour Organization
(b) United Nations Commission on the Status of Women
(c) World Economic Forum
(d) United Nations Development Programme

70. Consider the following statements with respect to Lake Ecosystems:

1. Dissolved oxygen level is higher in the lentic system than in the lotic system.
2. The oxygen content decreases with an increase in depth.
3. The Thermal stratification is minimal during the summer season.

How many of the statements given above are correct?

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

71. Which of the following activities are prohibited if the area is declared as Eco Sensitive Zone?

1. Introduction of exotic species
2. Establishment of major hydroelectric power projects
3. Commercial use of Firewood
4. Commercial use of natural water resources
5. Commercial Mining

Select the correct answer using the codes given below:

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

72. Consider the following passage:

Trees in this forest shed their leaves in autumn, and new foliage grows in spring. These forests occur in areas with moderate climatic conditions, such as temperatures ranging from 10 to 20°C, a six-month-long winter, and an annual rainfall of 75 to 150 cm. They have brown soils that are rich in nutrients. These forests show stratification and have an understory of saplings, shrubs, and tall herbs. Hibernation or winter sleep is a common feature of animals found in these forests.

Which of the following types of forests is described in the above passage?

- (a) Boreal forest
(b) Tropical rainforest
(c) Temperate rainforest

(d) Temperate deciduous forest

73. With reference to 'Pump and Dump Scheme', sometimes seen in the news, consider the following statements :

1. It is a form of financial manipulation aimed at artificially inflating the stock's price through false information.
2. It enables the sale of the stock at an inflated price, leaving investors with maximum profits.
3. In India, it is legalized under the guidelines of SEBI.

How many of the above statements are correct?

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

74. With reference to Environmental legislations in India, consider the following statements:

1. The Environment Protection Act is key to realizing and implementing the objectives of the Stockholm conference.
2. As per the Wildlife Protection Amendment Act 2023, any wild animals killed or wounded in defense of any person shall not be an offense.
3. As per the Forest Conservation Amendment Act 2023, prior consent from the tribal Gram Sabha was mandatory for any alterations to forests for non-forest purposes.

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

75. In which of the following regions of India will you most likely come across the 'Asiatic wild Gaur' in its natural habitat?

- (a) Higher Himalayas of Uttarakhand regions
- (b) Desert Regions of northwest India

(c) Western Ghats

(d) Salt marshes of western Gujarat

76. Consider the following statements with reference to the India Meteorological Department (IMD):

1. IMD is a statutory body that serves weather-dependent sectors like agriculture and offshore oil explorations through forecasts and alerts.
2. Weather Analysis and Forecast Enabling System (WAFES) by the IMD aims to help with decision-making related to socio-economic impact of severe weather events.

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. The Strait of Bab-el-Mandeb connects which of the following?

- (a) Red Sea and the Gulf of Aden
- (b) Red Sea and Mediterranean Sea
- (c) Atlantic Ocean and the Mediterranean Sea
- (d) Persian Gulf and the Indian Ocean

78. With reference to the Great Indian Bustard, consider the following statements:

1. They are categorised as Critically Endangered on the IUCN Red List.
2. They face the threat of collision with high-tension power lines around their natural habitat.
3. They are herbivores.
4. The Ministry of Environment and Forests aims to conserve the species under the Integrated Development of Wildlife Habitats programme.

How many of the above statements is/are correct?

- (a) Only one
- (b) Only two
- (c) Only three

(d) All four

79. Which among the following organizations is a part of the Global Good Alliance for Gender Equity and Equality along with the Government of India?

- (a) United Nations Development Programme
- (b) World Economic Forum
- (c) World Bank Group
- (d) United Nations Human Rights Council

80. In this style of temple architecture, the whole temple stands on a stone platform with steps leading up to it. The sanctum or garbhagriha is always located directly under the tallest tower or shikhara. River goddesses are usually found at the entrance of the sanctum. Elaborate boundary walls or gateways are generally absent in this order of temple architecture. Such temples have mandapas or halls typically built as Phamsana buildings. Identify the temple architecture style of India described by the above passage?

- (a) Vesara architecture
- (b) Nagara architecture
- (c) Dravidian architecture
- (d) None of the above

81. Consider the following

- 1. Chromates
- 2. Fluorites
- 3. Arsenic
- 4. Cadmium

How many of the above is/are considered to have carcinogenic properties in it?

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

82. Consider the following forts of Maratha Military Landscapes of India:

- 1. Suvarnadurg Fort
- 2. Panhala Fort
- 3. Gingee Fort

4. Raigad Fort

How many of the above are situated outside Maharashtra?

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

83. Consider the following statements:

- 1. Prevention of premature ripening
- 2. Eliminating harmful residues
- 3. Distinguishing the origin of food
- 4. Sanitising pre-packaged fresh food produce
- 5. Preventing spread of foodborne disease

Which of the above are considered as the applications of nuclear technology in food safety and control?

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

84. Consider the following statements:

- 1. Heat Waves are considered a notified disaster in India according to the Disaster Management Act, 2005.
- 2. Exposure to heat waves could harm the physical and mental wellbeing of humans.
- 3. Cool Roofs are an inexpensive solution to prevent both urban heat island effect and heat waves.

How many of the above statements is/are correct?

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

85. Consider the following statements:

- 1. Cigarettes and Other Tobacco Products Act, 2003 bans sale of the tobacco products to minors in India.
- 2. m-Cessation initiative under the National Health Mission aims to help people to quit tobacco use.

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. Consider the following statements:

1. H5N2 and H5N1 are influenza viruses that cause infectious respiratory disease in birds.
2. H5N2 transmits to humans while H5N1 only infects birds.
3. Vaccines to prevent transmission of H5N2 to humans are prescribed by the World Organization for Animal Health.

How many of the above statements is/are correct?

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

87. With reference to Digital Health Incentive Scheme which of the following statement is not correct?

- (a) It aspires to increase digital health transactions in India.
- (b) It incentivises health facilities for digitising patients' health records.
- (c) It leads to better quality healthcare by having ease of access to health records.
- (d) It is applicable only to public hospitals and clinics of India.

88. Consider the following information:

City - State/Union Territory - UNESCO Recognition

1. Kozhikode - Kerala - City of Literature
2. Srinagar - Jammu and Kashmir - World Craft City
3. Gwalior - Rajasthan - City of Music

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

- (a) Only one
- (b) Only two
- (c) Only three

(d) None

89. Consider the following statements:

1. Biocovers made of compost that can improve microbial oxidation by methanotrophic bacteria.
2. Biocovers can prevent landfill fires by mitigating methane emissions.

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

90. Consider the following statements regarding the Indian National Centre for Ocean Information Services:

1. It has launched a Small Vessel Advisory and Forecast Services to warn about rapid development of the wind sea.
2. It furnishes information on ocean energy potential of the Indian Exclusive Economic Zone.
3. It facilitated the deployment of gliders to study sea temperatures and the geochemical process in Antarctica.
4. It provides tsunami alerts to the Indian Ocean Rim countries through the Early Warning Centre.

Which of the statements given above is/are correct?

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

91. With reference to the Intergovernmental Committee for the Safeguarding of the Intangible Cultural Heritage, consider the following statements:

1. The Committee examines the request of the States Parties for the inscription of intangible heritage on the Lists.

2. The Committee provides international support to state parties for protecting their intangible cultural heritage.
3. Oral traditions and expressions are excluded from the domain of Intangible Cultural Heritage.
4. India is a member of the Intergovernmental Committee for Safeguarding the Intangible Cultural Heritage.

Which of the following statements is /are correct?

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

92. Which of the following organizations acts as the lead agency and focal point of the International Year of Quantum Science and Technology as designated by the United Nations?

- (a) United Nations Sciences and Technology Organization
- (b) United Nations Educational Scientific and Cultural Organization.
- (c) International Council for Science
- (d) International Council for Scientific and Technical Information

93. In which of the following organisation's conferences of parties (COP), the CGIAR 2030 Global Strategy for Resilient Drylands (GSRD) was launched to revolutionize agriculture by delivering food security and livelihood resilience for communities living in the world's driest regions?

- (a) United Nations Environment Programme
- (b) Food and Agricultural Organization
- (c) United Nations Convention to Combat Desertification
- (d) United Nations Climate Change Conference

94. With reference to Wroughton's free-tailed bat, consider the following statements:

1. It is endemic to the Western Ghats of India.
2. It helps in pollination.
3. The International Union for Conservation of Nature classifies it as a critically endangered species.
4. It helps in maintaining insect populations.

Which of the statements given above are correct?

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

95. With reference to the MAHASAGAR summit, consider the following statements:

1. The summit was conducted annually by the Indian Army.
2. The summit focuses on cooperation in maritime security among Southeast Asian countries.

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

96. Which of the following member countries of the South Asian Telecommunication Regulators' Council is focused on creating a digitally inclusive society through regulatory innovation, policy alignment, and cooperation to bridge the digital divide?

1. Iran
2. Afghanistan
3. Pakistan
4. Iraq
5. India

Select the correct answer using the codes given below:

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

97. Recently, India successfully concluded hosting the 46th Antarctic Treaty Consultative Meeting (ATCM-46) and the 26th Committee on Environmental Protection (CEP-26). Which of the following is/are the significance of the meeting?

1. The ATCM ensures the implementation of biosecurity measures to minimise the risks of Highly Pathogenic Avian Influenza (HPAI).
2. The CEP addresses the issues and contributes to implementing the Environmental Protocol in Antarctica.

Select the correct answer using the codes given below:

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

98. With reference to fishing cats, consider the following statements:

1. They are found only in the Eastern ghats of India.
2. They are included in Schedule I of the Wildlife Protection Act, 1972.
3. Poaching is a threat to their survival.

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

99. Consider the following statements regarding The Coalition for Disaster Resilient Infrastructure (CDRI):

1. India is a member of CDRI.
2. It was launched at COP26 of the United Nations Framework Convention on Climate Change.
3. It was granted the status of an International Organization.

Which of the statements given above is/are correct?

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

(c) 3 only

(d) 1 and 3 only

100. The SolarX Start-up Challenge is an initiative of :

- (a) World Bank
- (b) United Nations Environment Programme
- (c) International Solar Alliance
- (d) Renewable Energy Policy Network for the 21st Century