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PRELIMS TEST SERIES 2023

General Studies

Test - 12

TOPICS COVERED

Comprehensive Test - 3

1. Which of the following passes connect India and central asia?

1. Khybe
2. Bolan
3. Khurram
4. Gomal

Choose the correct answer from the codes given below:

- a) 1, 2 and 3 only
- b) 2, 3 and 4 only
- c) 1, 3 and 4 only
- d) All the above

2. Consider the following statements:

1. The city of Pataliputra was situated at the confluence of river Gandhaka, Son & the Ganges.
2. In the ancient period Pataliputra remained the capital for the Mauryas, Sungas, Guptas and other kingdoms

Which of the above statements is/are correct?

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

3. Consider the following statements:

Assertion: We find a number of rock-cut monasteries and temples in the Deccan.

Reason: Volcanic Rocks are easier to cut into various forms.

- a) Both A and R are true and 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.

4. Consider the following statements:

1. It is the passage across the Ghats from the Kaveri valley to the Malabar Coast.
2. It was an important trade route for the Indo-Roman trade in the ancient times.

Which of the above statements is/are true about Palaghat gap or Palakkad Gap?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) Neither 1 nor 2

5. Consider the following statements:

1. In the third century B.C., Sanskrit language served as the lingua franca of the country.
2. Throughout the major portion of India, Asoka's inscriptions were written in the Prakrit language.

Which of the above statements is/are **incorrect**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

6. Consider the following statements:

1. Jainism in ancient India condemned the varna system
2. Jain religious literature was written in Ardhamagadhi.
3. Mahavira admitted women into the order of his followers

Which of these statements is/are correct?

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

7. Which of the following statement(s) is/are major items of export from Indus Valley Civilisation?

1. Conch-shells
2. Copper
3. Cotton

Select the correct answer from the codes given below:

- a) 1 and 2 only
- b) 1 only
- c) 1 and 3 only
- d) All of the above

8. Who among the following advocated the separation of religion from politics in India?

- a) Allaudin Khilji
- b) Jalaluddin Khilji
- c) Balaban
- d) Qutbuddin Aibak

9. Which of the following factors led to decline of the Indian handicrafts
1. Decline of Indian powers rulers
 2. Growth of new demand
 3. Development of railways
 4. One way free trade policy

Select the correct answers using the codes given below:

- a) 1 and 2 only
- b) 1, 2 and 3 only
- c) 1, 2 and 4 only
- d) All the above

10. Consider the following with regards to the temple structures of Aihole:

1. They were patronized by the Badami Chalukyas.
2. They have been recognised as the UNESCO heritage sites.
3. Virupaksha temple is famous among these temples, constructed purely on South style.

Which of the above statements is/are correct?

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

11. Which of the following were authored by Raja Rammohan Roy?

1. Vedanta
2. Tuhfat-ul-Muwahhidin
3. Samshad kumudi
4. Brahma sangeet

Select the correct answers using the codes given below

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

12. Consider the following statements:

1. For the purpose of hiring and selecting civil servants, Charter Act, 1853 established an open competition system.
2. Macaulay Committee, sometimes known as the Committee on Indian Civil Service, was established in 1854.

Which of the above statements is/are correct with regards to the Indian Civil Services during British times?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

13. Which of the following developments happened before 1857 revolt?

1. First train was steamed off from Bombay to Thane.
 2. Panchayat Raj system was established.
 3. Widow's remarriage Act was enacted.
- Choose the correct answer from the codes given below:

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

14. Idea of national education was first given by

- a) Tagore
- b) Aurobindo
- c) Satish Chandra Mukherjee
- d) Ashwin Kumar Dutt

15. Consider the following statements:

1. The Mountbatten Plan laid road to partition of India into three dominion states.
2. The Mountbatten Plan was accepted by both the Congress and the Muslim League.

Which of the above statements is/are correct with regards to the Mountbatten Plan?

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

16. Consider the following statements:

1. Indian Constitution does not have any provision for categorization of any state as a Special Category Status State.
2. For special category status category states, the Centre pays 90 percent of the funds required in a centrally-sponsored scheme

as against 60 percent in case of normal category states.

3. Low population density or the presence of a sizeable tribal population is one of the features required to get Special Category Status.

Which of the statements given above is/are correct?

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

17. With reference to the provisions of 'no confidence motion' consider the following statements:

1. The motion needs the support of one-third of the members to be admitted in the lower house.
2. It need not state the reasons for its adoption in the Lok Sabha.
3. It can be moved against an individual minister or a group of ministers or the entire council of ministers.

Which of the statements given above is/are **incorrect**?

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

18. The provisions of 'religious denomination' under article 26 of the constitution, needs to satisfy which of the following conditions?

1. It should be a collection of individuals who have a system of beliefs (doctrines) which they regard as conducive to their spiritual well-being
2. It should have a common organization.
3. It should be designated by a distinctive name.

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

19. With reference to the constitutional provisions for the minority in India consider the following statement:

1. The Constitution of India does not define the word minority.
2. Gujarat became the first state in India to grant minority status for Jews.
3. Muslims, Christians, Sikhs, Zoroastrians, Buddhists, and Jains are the only communities to which the Union Government has accorded the status of minority.

Which of the statements given above is/are correct?

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

20. Consider the following statements regarding Conditions for recognition of a political party as a National Party:

1. If a party secures six per cent of valid votes polled in any four or more states at a general election to the Lok Sabha or to the legislative assembly; and, in addition, it wins 1 seat in the Lok Sabha from any state.
2. If a party wins two percent of seats in the Lok Sabha at a general election; and these candidates are elected from three states.
3. If a party is recognised as a state party in six states.

Which of the above statements is/are correct:

- a) 1 and 2 only
- b) 2 only
- c) 1 and 3 only
- d) All the above

21. Consider the following statements:

1. Article 33 empowers the State Legislature to restrict or abrogate the Fundamental Rights of the members of armed forces, paramilitary forces, police forces, intelligence agencies and analogous forces.
2. Any law made by Parliament under article 33 cannot be challenged in any court on

the ground of contravention of any of the Fundamental Rights.

Which of the above statements is/are correct?

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

22. The Supreme Court has held that if an accused/suspect/witness is compelled to undergo narco-analysis, polygraph test, brain-mapping it is violative under article(s):

- 1. Article 19
- 2. Article 20
- 3. Article 21
- 4. Article 22

Select the correct code:

- a) 2 and 3 only
- b) Only 2
- c) Only 3
- d) None of the above

23. Which of the following is /are the privileges of individual members of Parliament?

- 1. An MP cannot be summoned to give witness during a session of the Parliament.
- 2. An MP is exempted from arrest in a civil case only, not in a criminal case, during and 40 days before and 40 days after the meeting of the House.

Which of the above statements is/are correct?

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

24. Consider the following statements regarding the Panchayati raj Institutions (PRI):

- 1. It provides for reservation of not less than one-third of the total number of seats for women excluding the number of seats reserved for women belonging to SCs and STs.
- 2. Subjects included under Schedules XI and XII are not compulsory and not binding on the states.

Which of the above statements is/are correct?

- a) Only 1

- b) Only 2
- c) Both 1 and 2
- d) Neither 1 nor 2

25. A money Bill Deals with which of the following matters:

- 1. Abolition of any tax
- 2. Imposition of fines
- 3. Payment of fees for licenses.

Select the correct code:

- a) Only 1
- b) 1 and 3 only
- c) 2 and 3 only
- d) All the above

26. Consider the following statements regarding the removal of a judge of the Supreme Court:

- 1. A motion of removal of a judge does not lapse on the dissolution of the Lok Sabha.
- 2. The SC cannot inquire into the alleged misbehaviour or incapacity of a judge
- 3. The SC cannot suspend a judge against whom allegations have been made from functioning as a judge.

Which of the above statements is/are correct?

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

27. As per Representation of People Act 1951, in an election if there is equality of valid votes polled in favour of two or more candidates, then:

- a) The returning officer shall decide between such candidates by drawing a lot.
- b) A re-election is to be held between the candidates who are tied.
- c) A re-election is to be held between all the contesting candidates.
- d) The PM shall exercise casting vote to decide between such candidates.

28. The theory of Separation of Powers is well founded in:

- a) Federal form of government
- b) Presidential form of government
- c) Parliamentary form of government

d) All the above

29. Consider the following stages through which the budget goes in the Parliament:

1. Presentation of the Budget
2. Passing of the Financial Bill
3. Scrutiny by Departmental Committee
4. Passing of Appropriation Bill.
5. General Discussion
6. Voting on Demands for Grants

Select the correct code for the passage of Budget:

- a) 1-5-3-6-4-2
- b) 5-1-3-6-4-2
- c) 3-5-1-6-4-2
- d) 3-1-5-6-4-2

30. Consider the following statements:

1. The Anti-Defection Law does not apply if a member goes out of his party as a result of a merger of the party with another party.
2. The Anti-Defection Law does not apply if a member, after being elected as the presiding officer of the House, voluntarily gives up the membership of his party or rejoins it after he ceases to hold that office.

Which of the above statements is/are correct?

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

31. With reference to the World Heritage Committee (WHC), consider the following statements:

1. The World Heritage Committee is composed of 21 members elected by their General Assembly.
2. The Committee allocates financial assistance to the parties.
3. WHC can decide on the inscription but cannot decide on the deletion of properties on the List of World Heritage in Danger.

Which of the statements given above is/are correct?

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

32. The Global Climate Change Alliance Plus (GCCA+) is an initiative of which one of the following?

- a) UNFCCC
- b) European Union
- c) World Meteorological Organisation
- d) Intergovernmental Panel on Climate Change

33. With reference to UN-REDD and REDD+, consider the following statements:

1. UN-REDD is a multilateral collaborative program of the World Bank, UNDP and United Nations Environment Programme.
2. REDD+ is a voluntary climate change mitigation approach that has been developed by Parties to the UNFCCC.
3. Implementation of the REDD+ program will always strengthen the Rights of Forest Tribals and Other Traditional Dwellers
4. REDD+ helps achieve poverty reduction, health and well-being.

Which of the statements given above is/are correct?

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

34. Consider the following statements:

1. Species richness is a measure of the relative abundance of the species within a community.
2. Species abundance is the number of diverse species in an area or a community.

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

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

35. With reference to ecological succession, the term 'Seres' refer to:

- a) The entire sequence of communities that successively change in a given area.
- b) A stable community in near equilibrium with the environment.

- c) Species that invade a bare area.
- d) The plant species that have adapted to survive in dry conditions.

36. Consider the following statements regarding the Biogeochemical cycles:

1. The reservoir for the sedimentary cycle is located in the earth's crust.
2. Gaseous cycles are considered relatively imperfect than sedimentary cycle since some nutrients are lost from the cycle and become unavailable for immediate recycling.

Which of the above statements is/are correct?

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

37. Consider the following statements:

1. Dandeli Elephant Reserve is located in Karnataka
2. Singphan Elephant Reserve is located in Manipur
3. Lemru Elephant Reserve is located in Jharkhand
4. Agasthyamalai Elephant Reserve is located in Tamil Nadu

How many statements given above is/are correct?

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

38. Consider the following statements with respect to Biological oxygen demand (BOD):

1. Biological oxygen demand is the standard criteria for computing oxygen levels in aquatic ecosystems.
2. Higher the BOD, higher the water quality.
3. It is the most accurate method to measure the quality of water.

Which of the statements given above is/are correct?

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

39. Recently the country's first "Dugong Conservation Reserve" has been notified in Tamil Nadu. Which of the following statements are correct with reference to Dugong?

1. Dugongs are protected under Schedule I of the Wild Life (Protection) Act, 1972 and Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
2. In India, they are seen only in the Gulf of Mannar.
3. Dugongs are listed as endangered on the IUCN Red List of Threatened Species.
4. They are herbivorous mammal with weight about 300 kilograms.

Select the correct answer using the code given below:

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

40. Why do tropical regions have more diversity of flora and fauna than temperate regions?

1. Species having longer time to evolve
2. Higher sun's angle of incidence
3. Less seasonal variation

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

41. Which of the following are some important pollutants released by the cement industry in India?

1. Carbon dioxide
2. Silica
3. Chromium (VI)
4. Aromatic hydrocarbons
5. Polychlorinated dibenzodioxins (PCDDs)
6. Thorium
7. Hydrogen Fluoride

Select the correct answer using the code given below:

- a) 1, 2, 3, 4 and 7 only
- b) 1, 2, 3, 4, 5 only

- c) 1, 2, 4, 5 and 7 only
- d) 1, 2, 3, 4, 5, 6 and 7

42. With reference to Persistent Organic Pollutants (POPs), consider the following statements:

1. These are chemicals of global concern which have the ability to biomagnify and bioaccumulate in humans and the environment.
2. It can damage the reproductive and immune systems of exposed individuals as well as their offspring.
3. Dichlorodiphenyltrichloroethane (DDT) is listed in Annex A of the Stockholm convention.
4. The World Health Organization advocates avoiding breastfeeding in infants due to the presence of Dioxins in breast milk.

Which of the statements given above are correct?

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

43. "POP FAME" recently seen in the media is related to which one of the following?

- a) Rocket fuel from bacteria
- b) Music festival of Nagaland
- c) Space science award given by JAXA
- d) Indigenously developed medicine treat Conjunctivitis caused by Bacteria

44. Ecological Pyramide shows the bio-productivity at each trophic level. However, there are certain inherent limitations of ecological pyramids. Which of the following is/are the limitations of ecological pyramids?

1. Same species belonging to two or more trophic levels are not taken into account.
2. Assumption of a simple food chain in the ecological pyramid.
3. Exclusion of saprophytes from the ecological pyramid.

Select the correct answer using the code given below:

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

- d) 1, 2 and 3

45. Which of the following regions in India are declared as Biodiversity Hotspots?

1. The Western Ghats
2. The Eastern Ghats
3. The Himalayas
4. The Indo-Burma Region
5. Sunda land

Select the correct answer using the code given below:

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

46. Consider the following about Group of Seven (G7):

1. The political forum consists of China, France, Germany, Italy, Japan, United Kingdom and United States.
2. Earlier it was called as G8 with Russia as another member of the Group.
3. Hiroshima City, Japan will host the summit in 2023.

Which of the following is/are correct?

- a) 2 and 3 Only
- b) 2 Only
- c) 1 and 2 Only
- d) All are correct

47. With reference to 'Financial Action Task Force (FATF)', which of the following statements is/are correct?

1. The task force is primarily responsible for combating money laundering and terror financing.
2. FATF blacklist contains list of countries which FATF judges to be non-cooperative in the global fight against money laundering and terror financing.
3. India is not a member of FATF.

Select the correct code from below:

- a) 2 and 3 only.
- b) 1 only
- c) 1 and 2 only
- d) All are correct

48. With reference to NISAR, NASA ISRO Synthetic Aperture Radar, consider following statements:

1. It is developed solely by NASA, where ISRO will provide full funding for the project.
2. The satellite will be the first radar imaging satellite to use dual frequencies.
3. NISAR will be primarily used for remote sensing.

Which of the above statements is/are correct?

- a) 2 and 3 only.
- b) 3 only
- c) 1 and 3 only
- d) All are correct

49. With reference to LUPEX Mission, consider following statements:

1. It is a Lunar Polar Exploration mission, conceptualized to be developed by Indian and Japanese Space Agencies, ISRO and JAXA respectively.
2. It is also known as Chandrayaan-4.
3. Mission will send a lunar rover and lander to explore the south pole region of the Moon.

Which of the following above statements is/are correct?

- a) 1 only
- b) 3 only
- c) 1 and 3 only
- d) All are correct

50. With reference to Indo-Pacific Economic Framework, consider following statements:

1. A 14 member economic initiative launched by United States in 2022.
2. India is yet to join it and has fundamental differences with the vision of the framework.
3. It is not a Free Trade Agreement but rather sets standard for international trade.

Which of the following above statements is/are correct?

- a) 1 only
- b) 3 only
- c) 1 and 3 only
- d) All are correct

51. Which of the following is correct with respect to Indo-Pacific Trilateral Development Cooperation Fund are correct?

- a) Fund is created by India, Japan and France for development in Indo-pacific region.
- b) It aims to support innovators and startups based in India.
- c) Initiative was launched in 2010.
- d) USA has shown willingness to join the initiative in 2023.

52. Choose the correct sequence of Regions from South to North from following.

- a) Australia, Soloman Island, Fiji, Taiwan
- b) Fiji, Australia, Soloman Island, Taiwan
- c) Fiji, Australia, Taiwan, Soloman Island
- d) Australia, Fiji, Soloman Island, Taiwan

53. With reference to INTERPOL, consider following statements:

1. An UN led agency, that helps police authorities of its member countries in its effort to maintain law and order.
2. 90th Interpol General Assembly meeting is held in New Delhi in 2022.
3. A Red Notice by INTERPOL is a request to law enforcement worldwide to locate and provisionally arrest a person against whom an arrest warrant or court order is issued.

Which of the following above statements is/are correct?

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

54. Consider Following statements regarding Israel-Palestine dispute:

1. UN Security Council treats Palestine as sovereign entity thus it is admitted into UN General Assembly as a full member state.
2. 1947 resolution of United Nations (UN) adopted a Partition Plan which recommended the creation of independent Arab and Jewish states.
3. India supports "Two state solution" when it comes to resolution of Israel-Palestine conflict.

Which of the following above statements is/are correct?

- a) 3 only
- b) 1 and 3 only
- c) 2 and 3 only
- d) All are correct.

55. With reference to the United Nations General Assembly, consider the following statements:

1. The UN General Assembly can grant observer status to the non-member States.
2. This grant by UNGA is not subject to UN Security Council veto.

Which of the statements given above is/are correct?

- a) 1 and 2 only
- b) 2 only
- c) 1 only
- d) None of the above

56. Consider the following statements about Crypto currencies in India:

1. Crypto currencies come under the purview of the Prevention of Money Laundering Act, 2002 (PMLA).
2. Tax deducted at source (TDS) is not applied to cryptocurrencies, however the gains made from trading cryptocurrencies are subject to a 30% tax.

Which of the above statements is/are **False**:

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

57. Consider the following statements about G-secs:

1. Soaring public debt can reduce yields of G-secs.
2. Treasury bills are G-Secs with maturity of less than 1 year.

Which of the above statements is/are True:

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

58. Consider the following statements about small savings schemes:

1. Small saving rates are linked to yields on benchmark government bonds.

2. Public Provident Fund (PPF) is a small savings scheme.

Which of the above statements is/are True:

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

59. What is the purpose of SWAMIH investment fund?

- a) To provide investment to operating assets in the core infrastructure sectors such as roads, ports, airports, power etc.
- b) To provide long-term finance for all segments of the economy where the risks involved are beyond the acceptable limits of commercial banks and other ordinary financial institutions.
- c) To provide investment to infrastructure projects focusing entirely in rural India.
- d) To provide priority debt financing for the completion of stressed, brownfield and Real Estate Regulatory Authority (RERA)-registered residential projects.

60. Consider the following statements about "arm's length arrangement", often seen in news?

1. It can avoid profit diversion in the case of transfer pricing.
2. It can prevent tax loss to the exchequer

Which of the above statements is/are

incorrect:

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

61. Which of the following can lead to a downgrade of a country's sovereign credit ratings?

1. Balance-of-payments crisis
2. Political uncertainty
3. A negative GDP growth rate
4. Increasing debt levels
5. A high inflation rate
6. Sovereign default history

Select the correct code from the following:

- a) 1, 2, 3, 4, 5 and 6
- b) 1, 3, 4, 5 and 6 only
- c) 1, 2, 3, 4 and 6 only
- d) 1, 2, 3, 4 and 5 only

62. Consider the following statements about External Benchmark Lending Rates (EBLR):

- 1. EBLR is aimed at ensuring better transmission of policy rate changes to consumers.
- 2. The repo rate, 91-day Treasury bill, or 182-day Treasury bill are all acceptable choices for the external benchmarks.
- 3. RBI has made EBLR mandatory for all new floating rate personal or retail loans.

Which of the above statements is/are correct?

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

63. With reference to the Indian economy, cost-push inflation can be caused/increased by which of the following?

- 1. Increase in the prices of raw materials
- 2. Shortage of labour
- 3. Higher purchasing power
- 4. Higher taxes on Diesel
- 5. Expansionary policies

Select the correct answer using the code given below.

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

64. Which of the following can become reasons for Structural slowdown in Indian economy?

- 1. A bad monsoon
- 2. Disruptive technologies
- 3. Changing demographics

Which of the above statements is/are correct?

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

65. In the context of workforce and employment in the Indian economy in the last decade, consider the following statements:

- 1. The share of the workforce in agriculture has steadily declined over the last decade.
- 2. The construction sector has witnessed a steady decrease in its employment share.

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

66. India's foreign exchange reserves declined by around \$70 billion in 2022. In this context, which of the following could be the reasons for the decline?

- 1. Appreciation of the US Dollar against the Indian rupee
- 2. Decline in inward remittances
- 3. High inflation in developed countries

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

67. With reference to foreign investments in India, consider the following statements:

- 1. Foreign Portfolio Investment (FPI) and Foreign Direct Investment (FDI) can be made only in a listed Indian company.
- 2. An investment of less than 10 percent of the paid-up equity capital of a listed Indian company is termed FPI.
- 3. An investment classified as FDI is changed to FPI if the investment percentage reduces by a certain level.

Which of the statements given above is/are correct?

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

68. Which of the following sector/s can avail loan/credit under Pradhan Mantri Mudra Yojana (PMMY)?

1. Manufacturing
2. Agriculture allied activities
3. Services

Choose the correct answer from below given codes:

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

69. Which of the following is/are consist/s of foreign exchange reserves?

1. Foreign currency assets
2. Special drawing rights
3. Gold reserves
4. Reserve Tranche in the IMF

Choose the correct answer from below given codes:

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

70. Arrange the following Commodities in descending order of their contribution to Indian Exports in recent times:

1. Engineering goods
2. Petroleum Products
3. Gems and Jewellery
4. Drugs and Pharmaceuticals

Choose the correct answer from below given codes:

- a) 1-2-3-4
- b) 1-3-2-4
- c) 2-1-3-4
- d) 2-1-4-3

71. Which one of the following statements regarding the velocity of Tsunami wave is correct?

- a) It slows down as it approaches the shore
- b) It increases as it approaches the shore
- c) There is no change in velocity as it approaches shore
- d) It becomes zero as it approaches the shore

72. Which among the following best describes the zone marking the end of decrease in temperature with increase in altitude:

- a) Mesopause
- b) Stratopause
- c) Tropopause
- d) Heliopause

73. Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (Landform)	List-II (Geomorphologic Agent)
A. Blind Valley	1. River
B. Hanging Valley	2. Wind
C. Incised Valley	3. Groundwater
D. Valley Playa	4. Glacier

Codes: A—B—C—D

- a) 3—1—4—2
- b) 3—4—1—2
- c) 2—1—4—3
- d) 2—4—1—3

74. Which of the following statements regarding coal is *not correct*?

- a) Peat represents the first stage in coal formation
- b) Lignite has high volatile content
- c) Bituminous coal has high moisture content
- d) Anthracite coal has low sulphur content

75. Consider the following statements:

1. Kulu Valley in the upper course of the Ravi is transverse valley.
2. Kangra Valley is a strike valley, parallel to the direction of mountain ridge
3. The Kumaun Himalayas are present between River Kali and River Kosi

Which of the above statements is/are correct?

- a) 1 and 2 only
- b) 3 only
- c) 1, 2 and 3
- d) None of the above

76. Consider the following statements regarding Millets in India:

1. Pear Millet (Bajra) is the largest millet variety produced in India followed by Sorghum (Jowar)
2. The area under Millets has been consistently increasing in past 5 years from 2017-2022
3. Indian government has been consistently increasing the MSP for Millets since last 5 years

Which of the statements given above is/are correct?

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

77. Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (Mineral Deposit)	List-II (Location)
A. Diamond	1. Amarkantak, MP
B. Baryte	2. Mangampeta, AP
C. Bauxite	3. Chalk Hills, TN
D. Magnesite	4. Majhgawan, MP

Codes: A—B—C—D

- a) 1—2—4—3
- b) 4—1—3—2
- c) 1—4—3—2
- d) 4—2—1—3

78. In the soil-forming regime, which one of the following occurs in a region where evapotranspiration exceeds precipitation significantly?

- a) Calcification
- b) Laterization
- c) Podzolisation
- d) Gleization

79. Consider the following statements regarding the Earth-Moon system:

1. The barycentre of Earth and Moon is present inside the Earth
2. The barycentre of Earth and Moon is present outside the Earth

3. The gravitational force with which Earth attracts Moon is greater than the force with which Moon attracts Earth
4. The gravitational force with which Earth attracts Moon is equal to the force with which Moon attracts Earth.

Which of the above statements is/are correct?

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

80. Consider the following pairs of Rivers of Europe and Sea in which they drain into:

1. Volga- Black Sea
2. Don- Sea of Azov
3. Vistula- Baltic Sea
4. Rhine- North Sea

How many of the above pairs are correctly matched?

- a) One pair only
- b) Two pairs only
- c) Three pairs only
- d) All four pairs

81. Which of the following state in India is known as 'Land of Red River and Blue Mountains'?

- a) Meghalaya
- b) Assam
- c) Manipur
- d) Mizoram

82. Which of the following factors affect the location of aluminum industry

1. Bauxite is a weight losing raw material in production of aluminium
2. The process of converting bauxite to alumina should be done near the market.
3. The process of converting alumina to aluminium should be done where there is cheap source of electricity.

Which of the statements given above is/are correct?

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

83. Which of the following statements regarding Critical Minerals is **incorrect**:
- Shortage of critical minerals risk supply chain disruption as they have no viable alternatives.
 - Indian Critical Minerals Strategy has identified 49 minerals which will be vital for India's future economic growth.
 - Recently India made partnership agreement with African countries for cooperation in supply of critical minerals
 - Khanij Bidesh India Ltd has been set up to ensure consistent supply of critical minerals for India.

84. Consider the following statements regarding Thermokarst Lakes:
- These are lakes formed due to seepage of groundwater in to volcanic beds.
 - The microbial activity in Thermokarst lakes is found to be a potential source of Methane gas emissions.

Which of the above statements given is/are correct?

- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
85. Match List-I with List-II and select the correct answer using the code given below the Lists

List-I (Landform)	List-II (Characteristic)
A. Laccoliths	1. Saucer shaped intrusive feature with flat top and convex base
B. Phacoliths	2. Mushroom shaped intrusive igneous dome with a feeder pipe below
C. Lopoliths	3. Extensive intrusive igneous mass, cooled and solidified below surface.
D. Batholiths	4. Lens-shaped intrusive rock which occupies anticline and syncline

Codes: A—B—C—D

- 3—1—4—2
- 2—1—4—3
- 3—4—1—2
- 2—4—1—3

86. Consider the following statements about National Mission on Quantum Technologies and Applications.
- It targets developing intermediate scale quantum computers with 50-1000 physical qubits in 8 years.
 - It aims to develop Inter-city quantum key distribution over 2000 km.
 - It will set up five Thematic Hubs in top academic and National R&D institutes.
- Which of the above statements is/are correct?
- 1 and 2 only
 - 1 and 3 only
 - 2 and 3 only
 - 1, 2 and 3

87. What is the purpose of PSLV Orbital Experimental Module (POEM)?
- It experiments using the cryogenic stage as the third stage of PSLV, like GSLV.
 - It experiments a novel strategy for removing space junk from low-Earth orbits.
 - It conducts scientific experiments in orbit utilising the discarded PS4 stage.
 - It carries out research to build an Indian modular space station in low-Earth orbit.

88. Which of the following missions used or will use the PSLV as a launch vehicle?
- Chandrayaan-1
 - Chandrayaan-2
 - Mangalyaan
 - Gaganyaan
- Select the correct answer using the code given below.
- 1 and 2 only
 - 1 and 3 only
 - 1, 3 and 4 only
 - None of the above

89. Which of the following international science projects does India collaborate on?
- The LIGO Scientific Collaboration (LSC)
 - The Large Hadron Collider experiments
 - The International Thermonuclear Experimental Reactor (ITER)
 - The Square Kilometre Array (SKA) project

Select the correct answer using the code given below.

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

90. Consider the following statements about India's three-stage nuclear power programme:

1. The first stage of the programme, natural uranium fuelled pressurised heavy water reactors (PHWR) produce electricity while generating plutonium-239 as by-product.
2. The second stage of the programme is designed to "breed" more plutonium-239 than it consumes.
3. The third stage of the programme involves a self-sustaining series of thorium-232–uranium-233 fuelled reactors.

How many of the above statements are **incorrect**

- a) One statement only
- b) Two statements only
- c) Three statements only
- d) None of the above

91. What are azoles and polyenes, frequently seen in the news?

- a) antifungal medicines
- b) bio-pesticides
- c) persistent organic pollutants
- d) bio-degradable plastics

92. Consider the following statements about Nano Particles (NPs):

1. Degradation of heavy metal NPs is not easily achievable, which can lead to many environmental toxicities.
2. Optical properties of NPs are dependent on the size.
3. NPs are useful in catalysis due to their high relative surface area.

Which of the above statements is/are correct?

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

93. The term Event Horizon is associated with which of the following astronomical objects?

- a) Black holes
- b) Neutron stars
- c) Pulsars
- d) Stars

94. Arrange the following electromagnetic radiations in descending order of their frequencies:

1. X-rays
2. Micro waves
3. Radio waves
4. Gamma rays

Select the correct answer using the code given below.

- a) 4-1-2-3
- b) 4-2-1-3
- c) 4-1-3-2
- d) 1-4-2-3

95. Consider the following statements regarding the oral rehydration solution (ORS):

1. It is a mixture of salts and carbohydrates dissolved in water.
2. The electrolytes in ORS are potassium and sodium.
3. It is used to replace salts and water that the body loses during dehydration.

Which of the statements given above is/are correct?

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

96. Consider the following statements about Quasars and Pulsars

1. A Pulsar is a neutron star.
2. A quasar is a supermassive black hole.

Which of the above statements is/are **incorrect**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

97. Consider the following statements:

1. The Bt Cotton has been genetically modified (GM) to produce an insecticide to combat the cotton bollworm.
2. The HTBt cotton makes the plant resistant to the herbicide glyphosate while also protecting against bollworm.
3. Both Bt Cotton and HTBt Cotton are approved by India's Genetic Engineering Appraisal Committee (GEAC).

Which of the above statements is/are correct

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

98. Consider the following statements about the 'Indian Biological Data Bank'(IBDC)

1. IBDC is the first national repository for life science data in India.
2. All the data submitted at IBDC would be freely accessible across the globe as per international open-access standards.
3. IBDC stores data on a supercomputer called 'Brahm'.

Which of the above statements is/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 pairs:

1. Cloud computing – AWS
2. Internet of Things – Smart Grid
3. Artificial Intelligence – Facial recognition
4. Blockchain – Bitcoin

How many of the above pairs are correctly matched?

- a) One pair only
- b) Two pairs only
- c) Three pairs only
- d) All four pairs

100. Consider the following statements about solid-state battery technology:

1. A solid-state battery has higher energy density than a Lithium-ion battery.

2. A solid-state battery needs lower charge time than a Lithium-ion battery.

Which of the above statements is/are correct

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

Key

- | | | |
|-------|-------|--------|
| 1. D | 47. C | 93. A |
| 2. B | 48. A | 94. A |
| 3. A | 49. D | 95. D |
| 4. B | 50. C | 96. D |
| 5. A | 51. B | 97. B |
| 6. D | 52. D | 98. C |
| 7. D | 53. B | 99. D |
| 8. A | 54. C | 100. C |
| 9. D | 55. A | |
| 10. A | 56. B | |
| 11. D | 57. B | |
| 12. C | 58. C | |
| 13. C | 59. D | |
| 14. C | 60. D | |
| 15. B | 61. A | |
| 16. D | 62. D | |
| 17. B | 63. A | |
| 18. D | 64. C | |
| 19. B | 65. D | |
| 20. B | 66. C | |
| 21. B | 67. B | |
| 22. A | 68. D | |
| 23. B | 69. D | |
| 24. B | 70. A | |
| 25. A | 71. B | |
| 26. D | 72. C | |
| 27. A | 73. B | |
| 28. B | 74. C | |
| 29. A | 75. A | |
| 30. C | 76. D | |
| 31. B | 77. D | |
| 32. B | 78. A | |
| 33. A | 79. D | |
| 34. C | 80. C | |
| 35. A | 81. B | |
| 36. A | 82. C | |
| 37. B | 83. C | |
| 38. A | 84. C | |
| 39. B | 85. D | |
| 40. D | 86. A | |
| 41. D | 87. C | |
| 42. C | 88. B | |
| 43. A | 89. D | |
| 44. D | 90. D | |
| 45. D | 91. A | |
| 46. A | 92. D | |



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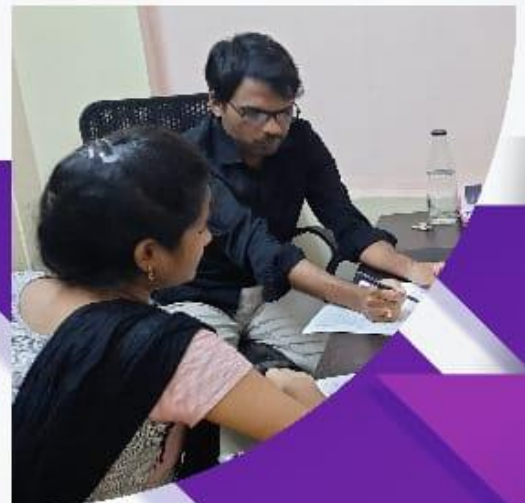
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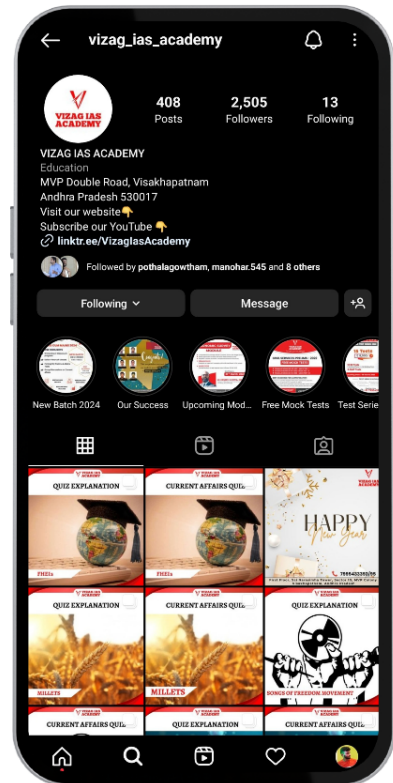
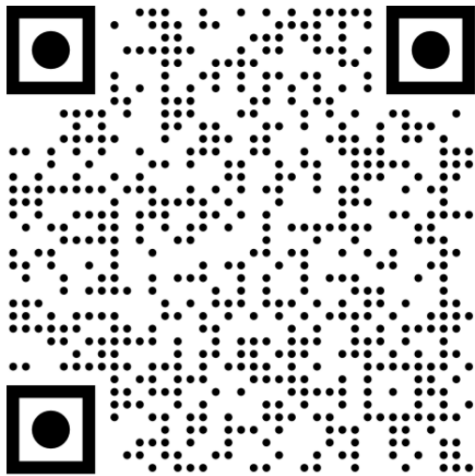
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