

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

Serial No. : 11398

Question Booklet Series :

A

Entrance Examination - 2023

Time allowed: Two Hours and Thirty Minutes (10:30 a.m. to 1:00 p.m.)

Maximum Marks: 300

INSTRUCTIONS TO THE CANDIDATE

1. Immediately after the commencement of the examination, check this booklet for any unprinted or torn or missing pages or questions. If so, get it replaced with another booklet.
2. Encode clearly the Question booklet series A,B,C or D in the appropriate place in the OMR answer sheet with Blue or Black ball point pen only. (No gel pen should be used)
3. The Question booklet contains hundred and fifty questions. Each question comprises four answers (responses). Select the correct answer (response), and shade on the OMR answer sheet in the appropriate place.
4. The answer (response) must be shaded **ONLY** on the OMR answer sheet provided.
5. All questions carry equal marks.
6. After you have shaded all your answers (responses) on the OMR answer sheet submit the same to the Invigilator.
7. You are permitted to take only the question booklet with you.
8. Sheet for rough work is appended in the question booklet at the end.

SEAL

1. The difference between two numbers is 1365. When the larger number is divided by the smaller one, the quotient is 6 and the remainder is 15. What is the smaller number?
a. 240 b. 270 c. 295 d. 360
2. 21 mango trees, 42 apple trees and 56 orange trees have to be planted in rows such that each row contains the same number of trees of one variety only. Minimum number of rows in which the trees may be planted is
a. 3 b. 15 c. 17 d. 20
3. A car company sold 150 cars in a special 6-day sale. Each day, the company sold 6 more than the previous day. How many cars were sold on the 6th day?
a. 35 b. 40 c. 50 d. 60
4. Three numbers are in the ratio 4 : 5 : 6 and their average is 25. The largest number is
a. 30 b. 32 c. 36 d. 42
5. The age of a mother today is thrice that of her daughter. After 12 years, the age of the mother will be twice that of her daughter. The present age of the daughter is:
a. 12 years b. 14 years c. 16 years d. 18 years
6. Ten percent of twenty plus twenty percent of ten equals
a. 10 percent of 20 b. 20 percent of 10
c. 1 percent of 200 d. 2 percent of 200
7. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is
a. 15 b. 16 c. 18 d. 25
8. A , B , C and D have Rs40, Rs 50, Rs 60 and Rs 70 respectively when they go to visit a fair. A spends Rs 18, B spends Rs21, C spends Rs 24 and D spends Rs 27. Who has done the highest expenditure proportionate to his resources?
a. A b. B c. C d. D

9. A and B started a business jointly. A's investment was thrice the investment of B and the period of his investment was two times the period of investment of B. If B received Rs 4000 as profit, then their total profit is:
- a. Rs 16000 b. Rs 20000 c. Rs 24000 d. Rs 28000
10. In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with the remaining meal?
- a. 20 b. 30 c. 40 d. 50
11. Two pipes A and B can fill a tank in 12 minutes and 15 minutes respectively. If both the pipes are opened simultaneously and pipe A is closed after 3 minutes, then how much more time will it take to fill the tank by pipe B?
- a. 7 min 15 sec b. 7 min 45 sec c. 8 min 5 sec d. 8 min 15 sec
12. A man and a boy together can do a certain amount of digging in 40 days. Their speeds in digging are in the ratio of 8 : 5. How many days will the boy take to complete the work if engaged alone?
- a. 52 days b. 68 days c. 80 days d. 104 days
13. An aeroplane flies twice as fast as a train which covers 60 miles in 80 minutes. What distance will the aeroplane cover in 20 minutes?
- a. 30 miles b. 35 miles c. 40 miles d. 50 miles
14. A man can row at 5 kmph in still water. If the velocity of current is 1 kmph and it takes him 1 hour to row to a place and come back, how far is the place?
- a. 2.4 km b. 2.5 km c. 3 km d. 3.6 km
15. A train of length 150 metres takes 40.5 seconds to cross a tunnel of length 300 metres. What is the speed of the train in km/hr?
- a. 13.33 b. 26.67 c. 40 d. 66.67
16. Consider the following statements regarding the "Zombie ice":
1. It is also referred to as dead or doomed ice.
 2. Zombie ice is one that is not accumulating fresh snow even while continuing to be part of the parent ice sheet.
- Which of the following statements is/are correct?
- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

17. Which of the following are the possible outcomes of the La Nina event?

1. Wet and humid conditions in the Horn of Africa.
2. Above-average hurricane season for the Atlantic Ocean.
3. Drought conditions in southern South America.
4. No spring season for India.

Select the correct answer using the code given below:

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

18. With reference to United Nations Framework Convention on Climate Change (UNFCCC), consider the following statements:

1. India has hosted the COP of all three Rio conventions on climate change.
2. It is the parent treaty of the 2015 Paris Agreement and the 1997 Kyoto Protocol.

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

19. With reference to the International Monetary Fund (IMF), consider the following statements:

1. It was established in the aftermath of the Great Depression.
2. India is the founding member of the International Monetary Fund.
3. The World Economic Outlook report is compiled by the IMF.

Which of the given above statements are correct?

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

20. Justice Amitava Roy Committee, which was recently in news, was constituted for which of the following?

- a. Jail reforms b. Political participation of women
c. Higher education d. Police reforms

21. Consider the following statements

1. Tax buoyancy refers to changes in tax revenue in response to changes in tax rate.
2. There is a strong connection between the government's tax revenue earnings and economic growth.

Which of the following statements is/are correct?

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

22. With reference to Green Bonds, consider the following statements:
1. The International Monetary Fund is a major issuer of green bonds in the international market.
 2. Green Bonds are issued to exclusively fund projects having positive environmental impacts.
- 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
23. Which of the following are the potential benefits offered by 5G technology?
1. Low latency & greater download speeds.
 2. Connecting multiple devices and exchanging data in real-time.
 3. Improving road safety by allowing vehicles to communicate between themselves
 4. Creating efficient sensor networks to track patients
 5. Increased energy savings
- Select the correct answer using the code given below:
- a. 1 and 2 only b. 1, 2 and 5 only c. 4 and 5 only d. 1, 2, 3, 4 and 5
24. In which place India is planning to establish its First Dark Sky Reserve?
- a. Manali b. Hanle c. Spiti Valley d. Jaisalmer
25. With reference to I-STEM, consider the following statements:
1. It is a dynamic and interactive national portal initiated by the Ministry of Science and Technology, Government of India.
 2. The main objective is to provide support to needy researchers in different ways and strengthen the R&D ecosystem of the country.
- 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
26. Consider the following statements regarding "Progress on the Sustainable Development Goals (SDG): The Gender Snapshot 2022" report:
1. The report is annually released by NITI Aayog to track India's progress in achieving SDG 15.
 2. According to the report, it will take close to 300 years to achieve full gender equality at the current rate of progress.
- 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

27. Consider the following statements:
1. Slow moving continental plates may lead to frequent volcanic activities.
 2. Volcanoes occur along both convergent (subduction) and divergent (rift) plate boundaries
 3. The Ring of Fire is a string of volcanoes and sites of seismic activity around the edges of the Pacific Ocean.
- Which of the statements given above is/are correct?
- a. 1 only b. 1 and 2 only c. 2 and 3 only d. 1, 2 and 3
28. With reference to Plastic, consider the following statements:
1. Plastic is a synthetic organic polymer made from petroleum.
 2. Puneet Sagar Abhiyan launched only to clean sea shores of plastic material.
- 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
29. With reference to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), consider the following statements:
1. It is legally binding on the member states.
 2. India is a signatory to this convention.
- 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
30. With reference to Financial Inclusion Index, consider the following statements:
1. It is published annually by the State Bank of India (SBI) .
 2. It is responsive to ease of access, availability and usage of services, and quality of services.
 3. It has been constructed without any base year and reflects cumulative efforts of all stakeholders over the years towards financial inclusion.
- Which of the statements given above is/are correct?
- a. 1 and 2 b. 2 only c. 1 and 3 only d. 2 and 3 only
31. Consider the following statements regarding Anti-Tank Guided Missiles (ATGM):
1. It is a guided missile primarily designed to hit and destroy heavily armored military vehicles.
 2. HELINA is Anti-tank Guided Missile (ATGM) system mounted on the Advanced Light Helicopter (ALH).
- 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 regarding the International Atomic Energy Agency:
1. It is also known as the world's "Atoms for Peace and Development"
 2. It is an autonomous and independently established organisation.
 3. It reports to both the UN General Assembly and the Security Council.
- 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
33. Ocean Thermal Energy Conversion plant (OTEC) technology can be used for which of the following?
1. Air-conditioning systems.
 2. Chilled-soil agriculture.
 3. Seawater desalination.
 4. Hydrogen extraction
- Select the correct answer using the code given below:
- a. 1 and 2 only b. 2, 3 and 4 only c. 3 and 4 only d. 1, 2, 3 and 4
34. Consider the following statements regarding India-ASEAN Relations:
1. Delhi Dialogue is a mechanism hosted by India annually with ASEAN.
 2. India is a part of ASEAN's ADMM Plus, which is an annual meeting of Defence Ministers.
- 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
35. Which of the following are the key provisions of the Energy Conservation (Amendment) Bill, 2022?
1. Mandating the use of non-fossil sources.
 2. Establishment of Carbon Markets
 3. Bringing large residential buildings within the fold of the Energy Conservation regime
 4. Increasing the members of the governing council of the Bureau of Energy Efficiency (BEE)
- Select the correct answer using the code given below:
- a. 1 and 2 only b. 3 and 4 only
c. 1, 2 and 3 only d. 1, 2, 3 and 4
36. With reference to the Ancient India:
1. Cotton route refers to the maritime route in the Indian Ocean for export of textiles from India
 2. India regularly exported large quantities of cotton cloth from Tagara in current Maharashtra state
- Which among the above is / are correct?
- a. Only 1 b. Only 2 c. Both 1 & 2 d. Neither 1 nor 2

37. Consider the following statement:

1. Traces of ash have been found around Kurnool caves.
2. An inscribed stone was found in Rosetta, a town on the north coast of Egypt.
3. Tools made from limestone were found in caves of France.

Select the correct answer using the codes given below:

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

38. In the context of indus valley civilization , which of the following statement is correct about faience?

- a. Faience were an artificially produced material and were used to make beads, bangles, earrings, and tiny vessels
- b. Faience is a naturally found mineral used in making vessels.
- c. Faience was a kind of stone tool used in pot making.
- d. Faience were stone weights found in Lothal

39. Match the following:

Column A

1. GOLD
2. TIN
3. COPPER
4. PRECIOUS STONE

Column B

- A. Rajasthan
- B. Afghanistan
- C. Karnataka
- D. Gujarat

- a. 1.C 2.B 3.D 4.A
c. 1.C 2.B 3.A 4.D

- b. 1.B 2.C 3.D 4.A
d. 1.A 2.B 3.D 4.C

40. Which of the following pairs are correctly matched?

1. Mrichchakatika – Shudraka
2. Buddhacharita – Vasubandhu
3. Mudrarakshasha – Vishakhadatt
4. Harshacharita – Banabhatta

Select the correct answer using the codes given below:

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

41. Which of the following statements is/ are applicable Jain doctrine?

1. The surest way of annihilating Karma is to practice penance
2. Every object, even the smallest particle has a soul
3. Karma is the bane of the soul and must be ended

Select the correct answer using the codes given below:

- a. 1 Only b. 2 and 3 Only c. 1 and 3 Only d. 1,2 and 3

42. With reference to the guilds (Shreni) of ancient India that played a very important role in the Country's economy, which of the following statements is/are correct?
1. Every guild was registered with the central authority of the State and the king was the chief administrative authority on them.
 2. The wages, rules of work, standards and prices were fixed by the guild.
 3. The guild had judicial power over its own members.
- Select the correct answer using the codes given below:
- a. 1 and 2 only b. 3 Only c. 2 and 3 only d. 1, 2, and 3
43. Which of the following statements regarding Pala Dynasty is / are correct?
1. Pala rulers patronized Jainism and played an important role in establishing Jainism in different regions.
 2. The first Bengali literary work Charyapada is attributed to the Pala Dynasty.
 3. During the Pala Era, Vikramsila and Nalanda were established as two significant centres of learning.
- Select the correct answer using the codes given below.
- a. 1 and 2 Only b. 2 Only c. 3 Only d. 1, 2 and 3
44. With reference to the political scenario during the 8th and 9th centuries, consider the following statements:
1. Kanauj was seen as a sign of status and authority.
 2. During the time it represented the political domination over northern India.
 3. Kanauj was connected to the silk road.
 4. Kanauj was rich in resources and hence strategically and commercially significant.
- Which of the above was/were the possible cause(s) of Tripartite Struggle?
- a. 1 and 3 only b. 2 and 3 only c. 1,3 and 4 only d. 1,2,3 and 4
45. Consider the following statements regarding the administration of Cholas:
1. The Cholas maintained a regular standing army consisting of elephants, cavalry, infantry, and navy.
 2. The naval achievements of the Tamils reached their climax under the Cholas.
 3. Cholas had a well – developed naval fleet and had undertaken naval expeditions to foreign shores.
- Which of the statements given above is / are correct?
- a. 3 only b. 2 and 3 only c. 1 and 3 only d. 1,2 and 3

46. In what way did the policy of the Rashtrakutas differ from their predecessors in the Deccan?
- They tried to maintain good relations with the Southern kingdoms while waging wars in the North.
 - They attempted to be the transmitters of good ideas from one part to the other.
 - They tried to exploit their positions as a bridge to dominate both the North and the South.
 - They tried to maintain the balance of power in the struggle between the North and the South
47. Which of the following was not a result of the Turkish conquest on India?
- It paved the way for the liquidation of multistate system in India.
 - It broke the isolation of the Indian society.
 - It led to an urban revolution and development of trade and commerce.
 - It helped in the growth of liberal religious reform movement in Hinduism
48. Iqta in Medieval India meant
- Land assigned to religious personnel for spiritual purpose.
 - Land revenue from different territorial units assigned to army officers.
 - Charity for educational and cultural activities.
 - The right of the zamindars.
49. One consistent features found in the history of southern India was the growth of the small regional kingdoms rather than large empires because of
- The absence of minerals like iron.
 - Too many divisions in the social structures.
 - The absence of vast areas of fertile land.
 - The scarcity of manpower.
50. Which of the following is not correctly matched?

Place of revolt of 1857	Leader
(A) Kanpur	Nana Saheb
(B) Baghat	Shahmal
(C) Mathura	Kadam Singh
(D) Faizabad	Maulawi Ahamadullah

Choose the answer from below:

- a. A b. B c. C d. D

51. Consider the following statements regarding the early years of the East India Company establishment in India:
1. The colonial rule was first established in The Bengal.
 2. In the beginning, the earliest attempts were made to reorder rural society and establish a new regime of land rights and a new revenue system.
 3. The Permanent Settlement had come into operation in 1793. The East India Company had fixed the revenue that each zamindar had to pay.
- Which of the following statement(s) is/are correct?
- a. Only 1 b. 1 and 2 only c. 1 and 3 d. All of the above
52. After the Santhal Uprising subsided, what was/were the measure/measures taken by the colonial government?
1. The territories called 'Santhal Paraganas' were created.
 2. It became illegal for a Santhal to transfer land to a non-Santhal.
- Choose from following options:
- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2
53. Consider the following statements:
1. Governor General Lord Dalhousie described the kingdom of Poona as "a cherry that will drop into our mouth one day"
 2. Satara was first princely state to be annexed under Doctrine of lapse.
- Which of the following is/are correct?
- a. 1 only b. 2 only c. All of the above d. None of the above
54. Which one of the following was a very significant aspect of the Champaran Satyagraha?
- a. Active all-India participation of lawyers, students and women in the National Movement
 - b. Active involvement of Dalit and Tribal communities of India in the National Movement
 - c. Joining of peasant unrest to India's National Movement.
 - d. Drastic decrease in the cultivation of plantation crops and commercial crops

55. Match the following:

Match List I with List II and select the correct answer from the codes given below:

List I

- A. Vinoba Bhave
- B. B.G. Tilak
- C. Aruna Asaf Ali
- D. Sarojini Naidu

List II

- (i) Home Rule Movement
- (ii) Individual Satyagraha
- (iii) Dharsana Raid
- (iv) Quit India Movement

Codes :

- | | A | B | C | D |
|----|------|-------|-------|-------|
| a. | (ii) | (i) | (iv) | (iii) |
| b. | (i) | (ii) | (iii) | (iv) |
| c. | (iv) | (iii) | (ii) | (i) |
| d. | (i) | (ii) | (iv) | (iii) |

56. Who wrote – “So far as Bengal is concerned, Vivekananda may be regarded as the spiritual father of Modern Nationalist Movement”

- a. Keshab Chandra
- b. Mahatma Gandhi
- c. S.C. Bose
- d. Raja Ram Mohan Roy

57. Consider the following statements:

- (i) In the late 1920's emerged two powerful left parties, the Communist Party of India & the Congress Socialist Party.
- (ii) The Kirti Kisan Party of Hindustan was founded in Chennai
- (iii) Mahatma Gandhi attended Brussels Congress of the oppressed nationalities and visited Soviet Union

- a. (i) & (iii) are correct
- b. None is correct
- c. (i) & (ii) are correct
- d. All the above statements are correct

58. Consider the following statements:

- (i) Abul Kalam Azad and Abdul Gaffar Khan went to Shimla as a congress delegate
- (ii) In the Shimla conference, the Muslim League demanded a communal vote by asking for a two third Majority in the proposed council on any decision opposed by the Muslim members.
- (iii) In Shimla conference, the Muslim League wanted to be the sole spokesman of Indian Muslims,

- a. (i) & (ii) are correct
- b. All the above are correct
- c. (ii) & (iii) are correct
- d. None of the above

59. Consider the following
1. Mountbatten supported the congress stand that the princely states must not be given the option of independence.
 2. Viceroy Wavell offered a set of proposals to the congress for securing its cooperation the "August Offer".
 3. Disillusioned with the August offer the congress decided to launch Individual Satyagraha
- a. All the above are true
b. Only 1 & 3 are true
c. Only 2 is true
d. None of the above
60. Which of the following right/s is/are enshrined in Article 21 – "No person shall be deprived of his life or personal liberty except according to procedure established by law."
1. Right to speedy trial.
 2. Right against delayed execution.
- a. 1 only. b. 2 only. C. Both. D. None
61. Which of the following writs can be issued against administrative authorities?
- a. Prohibition, Certiorari & Mandamus.
 - b. Certiorari & Mandamus.
 - c. Prohibition & Mandamus.
 - d. Prohibition & Certiorari.
62. The directive principles were made non – justiciable and legally non – enforceable because:
1. The country did not possess sufficient financial resources to implement them.
 2. There was widespread backwardness in the country that could stand in the way of implementation.
- a. 1 only. B. 2 only. c. Both. d. None
63. Which of the following statement/s is/are correct.
1. The directive principles are meant to establish *Political Democracy*.
 2. The directive principles are meant to establish *Social Democracy*.
 3. The directive principles are meant to establish *Economic Democracy*.
- a. 1 only. b. 2 & 3 only. c. 1 & 3 only. d. 1, 2 & 3.
64. Which of the following statement/s is/are correct.
1. Fundamental Rights enjoy legal supremacy over Directive principles.
 2. The parliament can amend the Fundamental Rights for implementing the directive principles.
- a. 1 only. b. 2 only. c. Both. d. None.

65. Which of the following statement/s is/are correct regarding Constitutional Amendment bill.
1. Prior permission of President is required before introducing the constitutional amendment bill in parliament.
 2. President must give his assent to the bill if duly passed by both houses.
- a. 1 only. b. 2 only. c. Both. d. None
66. The emoluments, allowances, privileges and so on of Governor can be altered by:
- a. A Constitutional Amendment Bill passed by simple majority of Parliament.
 - b. A Constitutional Amendment Bill passed by special majority of Parliament.
 - c. A Constitutional Amendment Bill passed by special majority of the Parliament and ratified by half of the state legislatures.
 - d. By a normal legislative process that does not require Constitutional Amendment.
67. Which of the following is/are federal feature/s of our constitution.
1. Supremacy of the Constitution.
 2. Rigid Constitution.
 3. Independent Judiciary.
- a. 1 only. b. 2 & 3 only. c. 1 & 3 only. d. 1, 2 & 3.
68. Which of the following statements are true about Centre – State relations.
1. In respect to matters enumerated in the concurrent list, the executive power rests with the states.
 2. In respect to matters enumerated in the concurrent list, the legislative power rests with the centre.
- a. 1 only. b. 2 only. c. Both. d. None.
69. Which of the following statements are true about Centre – State relations.
1. During the proclamation of emergency (Article 352) the center can give direction to a state on any matter.
 2. During the proclamation of emergency (Article 352) President can modify the constitutional distribution of revenues between the Centre & the states.
- a. 1 only. b. 2 only. c. Both. d. None.
70. Which of the following statements are correct.
1. The chairman and members of state PSC are appointed by the Governor, but can be removed only by the President.
 2. The state Election Commissioner is appointed by the Governor but can be removed only by the President.
- a. 1 only. b. 2 only. c. Both. d. None.

71. Which of the following statement is correct with regard to Proclamation of Emergency.
- Resolution approving & disapproving the proclamation of emergency is to be passed by either house of parliament by a special majority.
 - Resolution approving & disapproving the proclamation of emergency is to be passed by either house of parliament by a simple majority.
 - Resolution disapproving the proclamation of emergency is to be passed by either house of parliament by a simple majority.
 - None of these.
72. Which of the following situation/s will be proper to impose Presidents rule in a state (Article 356).
- Where after general elections to the assembly, no party secures a majority.
 - Serious maladministration in the state.
 - Stringent financial exigencies of the state.
- a. 1 only. b. 2 & 3 only. c. 1 & 3 only. d. 1, 2 & 3.
73. Which of the following situation/s are correct with regard to Proclamation of Financial Emergency (Article 360).
- It can be extended to an indefinite period with an approval of the parliament for every six months.
 - A resolution approving the proclamation of financial emergency is to be passed by either house of parliament by simple majority.
 - The President may issue directions for reduction of salaries and allowances of Supreme Court and High Court Judges.
- a. 1 only. b. 2 & 3 only. c. 1 & 3 only. d. 1, 2 & 3.
74. The Electoral College for President's election consist of:
- Elected members of both the houses of parliament.
 - Elected members of the legislative assemblies.
 - Elected members of all Union Territories.
- a. 1. b. 2 & 3. c. 1 & 2. d. 1, 2 & 3.
75. When the offices of both Speaker and Deputy Speaker falls vacant –
- The members of Lok Sabha immediately elect a Speaker.
 - The senior most willing member of Lok Sabha becomes the speaker.
 - The President appoints any member of Lok Sabha as speaker.
 - The Deputy Chairman of Rajya Sabha presides over till the next speaker is elected.

76. With Regard to Constitutional Amendment Bill –
- The President can reject the bill but cannot return the bill.
 - The President cannot reject the bill but can return the bill.
 - The President can neither reject the bill nor return the bill.
 - The President can either reject the bill or return the bill.
77. The correct statement/s with regard to Ordinance making power of President is/are –
- The President cannot promulgate an ordinance to amend tax laws.
 - The President cannot promulgate an ordinance to amend the constitution.
- a. 1 only. b. 2 only. c. Both. d. None.
78. The Vice President can be removed from office before completion of his term in which of the following manner?
- She/he can be impeached in similar manner as President.
 - A Resolution of Rajya Sabha passed by special majority and agreed to by the Lok Sabha.
 - A Resolution of Rajya Sabha passed by simple majority and agreed to by the Lok Sabha.
 - A Resolution of Rajya Sabha passed by an absolute majority and agreed to by the Lok Sabha.
79. The 'Council of Ministers' does not consist of:
- Deputy Ministers.
 - Parliamentary Secretaries.
 - Deputy Chairman – Planning Commission.
- a. 1, 2 & 3. b. 2 only. c. 3 only. d. None of these.
80. The Representatives of states & UT in the Rajya Sabha are elected by:
- The members of the State Legislative Assembly only.
 - The elected members of the State Legislative Assembly only.
 - The system of proportional representation by single transferrable vote.
 - The system of proportional representation by List.
- a. 1 & 3. b. 1 & 4. c. 2 & 3. d. 2 & 4.
81. Which of the following criteria is laid down by the constitution for a person to be chosen a member of parliament:
- If a candidate is to contest a seat reserved for SC / ST, he must be a member of a SC / ST in any state or Union Territory.
 - He/she must not have been punished for preaching and practicing social crimes such as untouchability, dowry & sati.
 - He/she must not have any interest in government contracts, works or services.
- a. 1 only. b. 2 & 3 only. c. 1, 2, & 3. d. None of these

82. Match the rocks with the type of rocks and select the correct answer by using the code given below:

List-I

- A. Intrusive rocks
- B. Extrusive rocks
- C. Igneous rocks
- D. Sedimentary rock

List-II

- 1. Basalt
- 2. Granite
- 3. Coal
- 4. Pegmatite

Code:

- | | A. | B. | C. | D. |
|----|----|----|----|----|
| a. | 1 | 2 | 3 | 4 |
| b. | 2 | 1 | 4 | 3 |
| c. | 2 | 3 | 1 | 4 |
| d. | 1 | 3 | 4 | 2 |

83. Which of the following is **not** one of Pattison's four traditions of geography?

- a. Man-land tradition
- b. Area studies tradition
- c. Spatial tradition
- d. Cultural diffusion.

84. Situation identifies a place by its...

- a. unique physical characteristics
- b. mathematical location on Earth's surface
- c. nominal location
- d. location relative to other objects

85. Which one of the following is not an approach in human geography?

- a. Areal differentiation
- b. Spatial organisation
- c. Quantitative revolution
- d. Exploration and description.

86. Which approach was supported by Vidal de la Blache?

- a. Determinism
- b. Possibilism
- c. Humanism
- d. Welfare approach.

87. Match the descriptions with the correct term

List-I

- A. River of molten rock
- C. Pulverised rock and lava fall

- B. Cloud of red-hot gas and ash
- D. River of volcanic ash and water

List-II

- 1. Pyroclastic flow
- 3. Lava flow

- 2. Mudflow
- 4. Ash fall

Code:

- | | A. | B. | C. | D. |
|----|----|----|----|----|
| a. | 1 | 2 | 3 | 4 |
| b. | 2 | 1 | 4 | 3 |
| c. | 3 | 1 | 4 | 2 |
| d. | 4 | 3 | 2 | 1 |

88. Which of the following is NOT a component of the Human Development Index (HDI)

- a. Push factor
- b. Education
- c. Income
- d. Life Expectancy

89. Identify the proponent climate hypothesis among the following human geographers.

- a. Vidal de la Blache
- b. Peter Haggett
- c. Ellsworth Huntington
- d. Frederick Ratzel

90. Which is NOT an ethnic group of the people of India?

- a. Negrito, Veddas
- b. Toda
- c. Dravidian
- d. Australian aborigine

91. _____ is the one of the most important commercial metal after iron.

- a. Manganese
- b. Copper
- c. Aluminium
- d. Lead

92. Transhumance refers to _____.

- a. Seasonal movement of people with their belongings from low Lands and vice-versa
- b. Mixed farming
- c. Migration of people from rural to urban
- d. Dairy farming

93. The location of some Japan based industries in Malaysia and Taiwan is due to

- a. Technology being locally available
- b. Availability of shipping facilities
- c. Availability of cheap labour
- d. Availability of raw materials

94. Jersey is the breed of milch-cow from which one of the following countries?

- a. Channel Island
- b. Scotland
- c. Netherlands
- d. Denmark

95. Mixed farming means _____.

- a. Combining crop production with horticulture
- b. Growing more than one crop in a year
- c. Combining crop production with live-stock raising
- d. Growing more than one crop in the same fields in the same season

96. The concept of carrying capacity of land in terms of population for measuring agricultural efficiency was first propounded by _____.

- a. Dudley Stamp
- b. J.L. Buck
- c. Jasbir Singh
- d. G.Y. Enyedi

97. 'A New approach to the functional classification'. This approach was a pioneer to work of _____.

- a. Doi
- b. Weaver and Rafiullah
- c. Weaver
- d. Rafiullah

98. Fertilizer Corporation of India was established in which one of the following years?

- a. 1963
- b. 1961
- c. 1971
- d. 1962

99. Match the List-I and List-II and select the correct answer by using the code given below-

List-I (Theories)

- A. Least Cost Theory
- B. Locational Theory of Demand
- C. Crop Combination method
- D. Location of Agricultural Activity Model

List-II (Authors)

- 1. Von Thunen's
- 2. J.C. Weaver's
- 3. Losch's
- 4. Weber's

	A.	B.	C.	D.
a.	4	3	2	1
b.	3	4	1	2
c.	1	2	3	4
d.	2	1	4	3

100. Who among the following is the author of the book "Goegraphy of Puranas"?
- a. James Todd
 c. Alexander Unwin
 b. B.G. Tamaskar
 d. S.Muzaffar Ali
101. The geographical Pivot of History was presented by one of the following_
- a. Ratzel
 b. Mackinder
 c. Mackinder and Spykman
 d. Spykman
102. Which of the following statements is not correct?
- a. Konkani belongs to Indo-Aryan family
 b. Indo- Aryan languages are spoken over the North-Indian plain from Punjab
 c. Maithali belong to the Austrio-Asiatic family
 d. In certain pockets, Dravidian is still spoken in Baluchistan and Bihar
103. Arrange the tribes in ascending order in terms of their total number__.
- A. Bhil B. Santhal C. Mina D. Oraon
- a. b a c d
 b. d b a c
 c. a b c d
 d. a d b c
104. Mackinder has divided the world into main divisions for his heartland theory __.
1. Outer crescent
 2. Pivot area or heartland
 3. Periphery area
 4. Inner crescent
- Which of the following divisions are correct?
- a. 1,2 and 4 b. 1,2 and 3 c. 1 and 2 d. 1 and 3
105. India's location at the head of the Indian Ocean gives it a special advantage because __.
- a. It can expand its fish industry
 b. It controls the Indian ocean routes
 c. It can use the resources of the ocean
 d. It can make exploration easy to the sea-bed for minerals

106. Which of the following is the correct sequence of natural vegetation that one sees while flying from Trivandrum to Calcutta?
- Tropical evergreen, wet deciduous, deciduous, dry savana
 - Wet deciduous, dry savana, deciduous, tropical evergreen
 - Deciduous, dry savana, wet deciduous, tropical evergreen
 - Tropical evergreen, deciduous, dry savana, wet deciduous
107. With reference to INSACOG, consider the following statements:
- It is jointly initiated by the Union Health Ministry of Health and Indian Council of Medical Research (ICMR) among others.
 - It is a pan-India network to monitor genomic variations in the SARS-CoV-2.
 - It is facilitated by the National Centre for Disease Control.
- Which of the statements given above is/are correct?
- 1 only
 - 1 and 2 only
 - 2 and 3 only
 - None of the above
108. With reference to Helium, consider the following statements:
- It is the lightest element on the Earth.
 - It is the only element that cannot be solidified by sufficient cooling at normal atmospheric pressure.
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
109. "The Purple Revolution" is associated with cultivation of?
- Lavender
 - Blueberry
 - Mulberry
 - Coral Reefs
110. With reference to Antimicrobial Resistance (AMR), consider the following statements:
- It occurs when bacteria, viruses, fungi and parasites no longer respond to medicines.
 - Antimicrobial-resistant organisms are found in humans only.
 - WHO has declared that AMR is one of the top 10 global public health threats facing humanity.
- Which of the statements given above are correct?
- 1 and 2 only
 - 2 and 3 only
 - 1 and 3 only
 - 1, 2 and 3
111. With reference to NeoCoV, consider the following statements:
- It is a bat coronavirus that was first identified in 2011.
 - It shares an 85% similarity to MERS-CoV in the genome sequence.
 - Infection with NeoCoV could not be cross-neutralised by antibodies targeting SARS-CoV-2 or MERS-CoV.
- Which of the statements given above is/are correct?
- 1 only
 - 2 and 3 only
 - 3 only
 - 1, 2 and 3

112. With reference to Small Satellite Launch Vehicle (SSLV), consider the following statements:
1. NewSpace India Limited (NSIL) under the Department of Space is the sole nodal agency responsible for providing end to end SSLV launch services.
 2. It can carry satellites weighing up to 5000 kg to a low earth orbit.
 3. It is perfectly suited for launching multiple microsattellites at a time.
- Which of the statements given above is/are correct?
- a. 1 only b. 1 and 2 only c. 2 only d. 1 and 3 only
113. Consider the following statements regarding Rare Earth Elements (REE):
1. Both light RE elements (LREE) and heavy RE elements (HREE) are abundantly found in India.
 2. India is a part of the USA-led Minerals Security Partnership (MSP).
 3. REEs are an essential part required for the manufacturing of batteries used in electric vehicles.
- 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
114. With reference to the Genetic Engineering Appraisal Committee (GEAC), consider the following statements:
1. It is an apex body established under the Ministry of Science and Technology for research and industrial production related to biotechnology.
 2. Bt Cotton and Bt Brinjal are the only crops permitted for cultivation in India by the Genetic Engineering Appraisal Committee.
- 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
115. With reference to Human Eye, consider the following statements:
1. The white part of the eyes is called Iris.
 2. Cornea contributes the majority of the eye's total focusing power.
- 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
116. Consider the following statements regarding Web 3.0:
1. It combines older-generation web tools with cutting-edge technologies such as AI and blockchain.
 2. It establishes a new version of the Internet protocol incorporating token-based economics, transparency, and decentralization.
- 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

117. With reference to the Snailfish, consider the following statements:
1. The Snailfish releases biofluorescence, which allows it to glow in the water.
2. Snailfish are the only polar fish reported to have biofluorescence.
Which of the given above statements is/are correct?
- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2
118. With reference to the James Webb Telescope comparison with other Telescopes, consider the following statements:
1. Kepler was designed to be a wide and shallow survey telescope, while Webb is designed for narrow and deep.
2. Webb is sensitive to wavelengths from visible light to mid-infrared, while Herschel was sensitive to the far-infrared wavelength.
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
119. Artemis I Mission recently seen in the news, it is related to which of the following?
- a. Mercury b. Neptune c. Moon d. Jupiter
120. Which of the following best describes "Agnikul" and "Skyroot", which were recently in news?
- a. ISRO's in-orbit satellite servicing stations
b. Start-ups developing launch vehicles for small payloads
c. The controlled anti-satellite weapons
d. ISRO's initiative to monitor space debris
121. What is the Cas9 protein that is often mentioned in the news?
- a. A molecular scissors used in targeted gene editing.
b. A biosensor used in the accurate detection of pathogens in patients.
c. A gene that makes plants pest-resistant.
d. A herbicidal substance synthesised in genetically modified crops
122. Consider the following statements:
1. The National Tiger Conservation Authority (NTCA) is a statutory body constituted under enabling provisions of the Wildlife (Protection) Act, 1972.
2. The 'Project Tiger' is a Central Sector Scheme of the Ministry of Environment, Forests and Climate Change.
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

123. Recently, "Pangong Tso Lake" was in the news, with reference to it, consider the following statements:

1. It is an endorheic lake.
2. The lake is identified under the Ramsar Convention as a wetland of international importance.
3. An Inner Line Permit is required to visit the lake.

Which of the following statements is correct?

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

124. Which of the following projects comes under the State Environment Impact Assessment Authority (SEIAA)?

1. Metallurgical industries
2. Highways
3. Cement plants
4. Hydroelectric power projects

Select the correct answer using the code given below

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

125. The proposal for the creation of the India Environment Service (IES) was recommended by:

- a. Gadgil committee
- b. Kelkar Committee
- c. T.S.R Subramanian committee
- d. Ranbir Singh Committee

126. Which of the following are the key provisions of the Energy Conservation (Amendment) Bill, 2022?

1. Mandating the use of non-fossil sources.
2. Establishment of Carbon Markets
3. Bringing large residential buildings within the fold of the Energy Conservation regime
4. Increasing the members of the governing council of the Bureau of Energy Efficiency (BEE)

Select the correct answer using the code given below:

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

127. Consider the following statements regarding India's recently launched Hydrogen Fuel Cell Bus:
1. It is made up of novel downstream process technology.
 2. It is a Russian technology imported through India-Russia Joint Technology Assessment and Accelerated Commercialization Programme.
 3. Its refueling time is more compared to the Battery-operated Electric Vehicles.
- Which of the statements given above is/are correct?
- a. 1 only b. 2 and 3 only c. 1 and 3 only d. 3 only
128. Consider the following statements:
1. "Net Zero" is when a country's emissions are compensated by the absorption and removal of greenhouse gases (GHGs) from the atmosphere.
 2. 'Getting India to Net Zero' report was recently released by NITI Aayog.
 3. Panchamrit strategy envisages 'Net Zero' targets to be achieved by 2050 in India.
- Which of the statements given above is/are correct?
- a. 1 only b. 1 and 2 only c. 2 and 3 only d. 1, 2 and 3
129. Center for Wildlife Rehabilitation and Conservation (CWRC) is a joint initiative of which of the following ?
1. Wildlife Trust of India (WTI)
 2. International Fund for Animal Welfare (IFAW)
 3. Arunachal Pradesh State Forest Department
- 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
130. Recently, the Lisbon Declaration was in the news. It aims at?
- a. Ocean conservation b. Preserving the Wetlands
c. Persistent Organic Pollutants d. Trade in Endangered Species
131. With reference to Regional Comprehensive Economic Partnership (RCEP), consider the following statements:
- (1) The RCEP is expected to eliminate all the tariffs.
 - (2) The group includes India and China both but not the USA.
 - (3) Australia and Japan are members of RCEP and CPTPP both.
- Which of the following statements is/are correct?
- a. 1 and 2 only b. 2 only c. 3 only d. 1 and 3 only

132. Recently, RBI allowed offline digital payments, consider the following statements in this regard:

1. An offline digital payment means a transaction that does not require internet or telecom connectivity.
2. These transactions require an additional factor of authentication (AFA).
3. There is a lower limit of Rs 2,000 for all transactions.

Which of the following statements is/are correct?

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

133. With reference to the Index of Industrial Production (IIP), consider the following statements:

1. It is compiled and published monthly by the Office of Economic Adviser.
2. The base year for the index is 2004-2005.

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

134. With reference to Pradhan Mantri Jan Arogya Yojna (PM-JAY), consider the following statements:

1. It provides a cover of Rs. 5 lakhs per family per year for secondary and tertiary care hospitalization in public hospitals only.
2. Under it, there is no restriction on the family size, age or gender.
3. The households included in the yojna are based on the deprivation and occupational criteria of Socio-Economic Caste Census 2011 (SECC 2011) for rural and urban areas respectively.

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

135. With reference to Purchasing Managers' Index (PMI), consider the following statements:

1. It provides information about current and future business conditions.
2. It is indicated by a number from 0 to 100.
3. If the previous month PMI is higher than the current month PMI, it represents that the economy is contracting.

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

136. Which of the following statements is /are correct regarding the Sovereign Gold Bond (SGB) scheme?

1. Gold Bonds are issued by the Scheduled Commercial Banks on behalf of the Union Government.
2. Interest on Gold Bonds are tax exempted under the Income Tax Act, 1961.

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

137. With reference to the Codex Alimentarius Commission, often seen in the news, which of the following statements is/are correct?
1. It is an international food standards body aimed at ensuring fair practices in the food trade.
 2. It is established by the World Trade Organization (WTO).
 3. Codex Standards issued by the commission is mandatory and binding on the member nations.
- Select the correct answer using the code given below:
- a. 1 only b. 1 and 2 only c. 1 and 3 only d. 2 and 3 only
138. Which of the following reports were published by the World Economic Forum (WEF)?
1. Global Gender Gap Report.
 2. Global Risk Report.
 3. Global Financial Stability Report
 4. Global Competitiveness Report
- Select the correct answer using the code given below:
- a. 1 and 3 only b. 3 and 4 only c. 1, 2 and 4 only d. 1, 2, 3 and 4
139. Consider the following statements:
1. Capital expenditure involves any expenditure that does not add to assets or reduce liabilities.
 2. Revenue expenditure is incurred with the purpose of increasing assets of a durable nature or of reducing recurring liabilities.
- 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
140. Consider the following statements:
1. Repo Rate is the interest rate at which the Reserve Bank provides liquidity against the collateral of government and other approved securities.
 2. Marginal Standing Facility (MSF) Rate is the penal rate at which banks can borrow, on an overnight basis, from the Reserve Bank by dipping into their Statutory Liquidity Ratio (SLR) portfolio up to a predefined limit.
- 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
141. With reference to Agriculture Infrastructure Fund (AIF), consider the following statements:
1. It is a pan India Central Sector Scheme launched in the year 2020.
 2. It provides a medium - long term debt financing facility for investment in viable projects.
 3. All loans under this financing facility will have an interest subvention of 10% per annum up to a limit of Rs. 2 crores.
- Which of the statements given above is/are correct?
- a. 1 only b. 1 and 2 only c. 3 only d. 1, 2 and 3

142. Recently, the Global Employment Trends for Youth 2022 report was released by which organisation?

- a. World Economic Forum
- b. World Bank
- c. International Labour Organisation
- d. International Monetary Fund

143. India Council for Research on International Economic Relations (ICRIER) conducts thematic research in which of the following areas?

- 1. Growth, Employment and Macroeconomics (GEM)
- 2. Trade, Investment and External Relations (TIER)
- 3. Agriculture Policy, Sustainability and Innovation (APSI)
- 4. Climate Change, Urbanisation and Sustainability (CCUS)

Select the correct answer using the code given below:

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

144. Which organisation releases the "Financial Stability Report"?

- a. Organisation for Economic Co-operation and Development
- b. World Bank
- c. United Nations
- d. Reserve Bank of India

145. Consider the following statements regarding Sustainable Development Goals (SDGs):

- 1. India is behind all south Asian nations except Pakistan in its 2021 SDG ranking.
 - 2. SDG India Index is developed by Oxfam India in collaboration with the United Nations.
- 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

146. Consider the following statements regarding Foreign portfolio investment (FPI):

- 1. It is often referred to as Hot money because it is less liquid and less risky than FDI.
- 2. FPI is part of a country's Current account.
- 3. It provides the investor with direct ownership of financial assets.

Which of the given above statements is/are correct?

- a. 1 only
- b. 2 only
- c. 3 only
- d. None of the above

147. Microcredit is delivered through which of the institutional channels in India ?

- 1. Scheduled commercial banks (SCBs)
- 2. Cooperative banks
- 3. Non-banking financial companies (NBFCs)

Select the correct answer using the code given below:

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

148. Consider the following statements regarding Global Gender Gap Index, 2022:
1. It is published by UN's Inter-Agency Network on Women and Gender Equality (IANWGE).
 2. India's score is above the global average in Political Empowerment dimension.
 3. India is ranked the last among all the countries in Health and Survival dimension.
- Select the correct answer using the code given below:

a. 1 only b. 2 only c. 2 and 3 only d. 1, 2 and 3

149. Which of the following statements are incorrect regarding the Global Minimum Tax deal?
1. It aims to ensure that big companies pay a minimum tax rate of 15% and do not avoid taxation
 2. The rate would apply to all the overseas profits of multinational firms irrespective of their global sales.
- Select the correct answer using the code given below:

a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

150. Which of the following are the benefits of the creation of Eco Sensitive Zone (ESZ)?
1. In-situ conservation
 2. Reduction in man-animal conflict
 3. Mitigating climate change
 4. Protection of tribal rights
- Select the correct answer using the code given below:

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

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