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**MAULANA AZAD NATIONAL URDU UNIVERSITY, HYDERABAD**

**Roll Number:**

**TEST BOOKLET**  
GENERAL STUDIES  
*for* CSE RCA 2024-25

Test booklet Code:

**A**

Time Allotted: 2 hours

Maximum Marks: 200

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**Instructions**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, or C carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.
4. This Test Booklet contains 100 items (questions). Each item is printed in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. All items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator only the Answer Sheet. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. Penalty for wrong answers :

**THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN ALL THE QUESTIONS.**

- There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
- If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

1. Consider the following statements regarding the Office of the Vice President of India:

1. The Vice President of India is the ex-officio Chairperson of the Rajya Sabha.
2. The Vice President is elected by an electoral college consisting of only the members of the Lok Sabha.
3. The Vice President can act as the President of India if the office of the President falls vacant.

Which of the statements given above is/are correct?

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

2. Consider the following statements regarding Monkeypox:

1. Monkeypox is caused by a virus from the Orthopoxvirus genus.
2. Monkeypox can only spread from animals to humans and not from human to human.
3. Vaccination against smallpox offers protection against Monkeypox.

Which of the statements given above is/are correct?

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

3. In which of the following relief sculpture inscriptions is 'Ranyo Ashoka' (King Ashoka) mentioned along with the stone portrait of Ashoka?

- (a) Sohgaura      (b) Kanganahalli  
(c) Shahbazgarhi      (d) Sanchi

4. Consider the following statements:

1. Jet streams occur in the Northern Hemisphere only.
2. Only some cyclones develop an eye.
3. The temperature inside the eye of a cyclone is nearly 10°C lesser than that of the surroundings.

Which of the statements given above is/are correct?

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

5. Which of the following is/are Ozone Depleting Substances (ODS)?

1. Methyl Bromide
2. Hydrobromofluorocarbons (HBFCs)
3. Carbon tetrachloride
4. Methyl chloroform

Select the correct answer using the code given below.

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

6. The Charter Act of 1813, provided for

1. Opening of Indian trade for all British merchants.
2. Allocation of Company resources for the spread of modern sciences in India.
3. Ending of the East India Company's monopoly in the tea trade.

Select the correct answer using the code given below.

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

7. Consider the followings receipts of the Union Government:

1. Recoveries of loans and advances given to state governments
2. Disinvestment proceeds of PSUs
3. Recoveries of loans from foreign governments

How many of the above receipts are non-debt capital receipts?

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

8. With reference to the official languages, which of the amendment did not add a new language/s to the eighth schedule?

- (a) 21st amendment Act, 1967  
(b) 42nd amendment Act, 1976  
(c) 71st amendment Act, 1992  
(d) 92nd amendment Act, 2003

9. Which Article empowers the President to Summon and prorogue either Houses of Parliament?

- (a) Article 75                  (b) Article 81  
(c) Article 85                  (d) Article 88

10. Which of the following countries are the members of Colombo Security Conclave?

1. Sri Lanka
2. India
3. Seychelles

Select the correct answer using the code given below.

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

11. Match list-I with list-II and select the correct answer from the codes given below the lists:

List-I	List-II
(A) Harappa	1. Burial R-37
(B) Lothal	2. Dockyard
(C) Kalibangan	3. Figurine of Dancer
(D) Mohenjo-daro	4. Ploughed field

Codes:

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

12. Consider the following statements:

1. Arya Samaj was founded in 1835.
2. Lala Lajpat Rai opposed the appeal of Arya Samaj to the authority of Vedas in support of its social reform programmes.
3. Under Keshab Chandra Sen, the Brahmo Samaj campaigned for women education
4. Vinoba Bhave founded the Sarvodaya Samaj to work among refugees.

Which of these statements are correct?

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

13. Match list-I with list-II and choose the correct answer from the code given below-

List-I	List-II
(A) Howrah Conspiracy Case	(i) Amir Chand
(B) Lahore Conspiracy Case	(ii) Aurobindo Ghosh
(C) Delhi Conspiracy Case	(iii) Jatindranath Mukherjee
(D) Alipore Conspiracy Case	(iv) Rajguru

Code:

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

14. Consider the following statements:

1. Asaf Ali looked after the work of Railway Ministry in the interim Government (1946)
2. 'Ancient Monuments Preservation Act' was passed when Lord Curzon was Governor General.
3. The Haripura Session of the Indian National Congress was presided over by C.R. Das.
4. Swami Shraddhanand suggested no-tax campaign as a protest against the Rowlatt Act.

Of these statements:

- (a) Only 1 and 2 are correct.  
(b) Only 2 and 3 are correct. .  
(c) Only 1, 2 and 4 are correct.  
(d) Only 1, 2 and 3 are correct.

15. The statement "I am a socialist and a republican and am no believer in Kings and Princes" is associated with-

- (a) Narendra Dev  
(b) Achyut Patwardhan  
(c) Jay Prakash Narayan  
(d) Jawaharlal Nehru

16. Which among the following pairs is not correctly matched?

- (a) Ghadar Party - Lala Lajpat Rai  
(b) Frontier Gandhi - Khan Abdul Gaffar  
(c) Indian National Army - Subhash Chandra Bose  
(d) First President of India - Dr. Rajendra Prasad

17. With reference to the Comptroller and Auditor-General of India (CAG), consider the following statements:

1. He is represented by the Finance Minister in the Parliament.
2. He is ineligible to hold any office once he retires/resigns.

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

18. Statement I: Nationalism in India, which was assigned a privileged position by its western educated political leadership, was a different', but a derivative discourse from the west.

Statement II: Indian nationalism as a response to western imperialism was "like all such responses, shaped by what it was responding to".

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I  
(b) Both the statements are individually true but Statement II is NOT the correct explanation of Statement I  
(c) Statement I is true but Statement II is false  
(d) Statement I is false but Statement II is true

19. Consider the following passage:

"Born in 1853 he was a Parsi from Western India. He was the editor of "Indian Spectator" and "Voice of India". He was a social reformer and was the chief crusader for the Age of Consent Act 1819."

Who is being described in the above paragraph?

- (a) Dadabhai Naoroji  
(b) B. M. Malabari  
(c) B. P. Wadia  
(d) Naoroji Furdunji

20. Which of the following statements about Indulal Yagnik are correct?

- (i) He published an English language magazine, Young India, from Bombay.  
(ii) He participated in the Kheda Satyagraha led by Gandhi  
(iii) He took active initiative in the formation of the All India Kisan Sabha and participated in its first session.  
(iv) He founded the Nutan Maha Gujarat Janata Parishad

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

21. Which of the following match(es) is(are) incorrect?

1. Nathu La pass: Sikkim and Tibet
  2. Palakkad gap pass: Kerala and Tamil Nadu
  3. Shipki La pass: Arunachal Pradesh and China
  4. Zoji La pass: Kashmir Valley and Ladakh
- (a) Only 1                      (b) Only 3  
(c) Only 1 and 2      (d) Only 2 and 4

22. Consider the following statements and select the correct answer from the codes given below:

1. Rihand Dam is on a tributary of the Son river
2. Hirakud Dam is on Mahanadi river
3. Tungabhadra project is a joint venture of Andhra Pradesh and Karnataka
4. Maithon Dam is on Barakar river, a tributary of Damodar river

Codes:

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

23. The following question has two option, one is stated as statement (A) and the other is reason (R), after examining these statements carefully, select the answer to this question with the help of the following options.

Assertion (A): To orbit around the Sun the planet Mars takes lesser time than the time taken by the earth.

Reason (R): The diameter of the planet Mars is less than that of earth.

Code:

- (a) Both 'A' and 'R' are individually true and 'R' is the correct explanation of 'A'  
(b) Both 'A' and 'R' are individually 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.

24. Which of the following represents the correct north to south sequence of following four islands of Japan?

- (a) Hokkaido, Honshu, Kyushu, Shikoku  
(b) Hokkaido, Shikoku, Honshu, Kyushu  
(c) Hokkaido, Honshu, Shikoku, Kyushu  
(d) Hokkaido, Kyushu, Honshu, Shikoku

25. Consider the following statements:

1. Biodiversity is normally greater in lower latitudes as compared to the higher latitudes.
2. Along the mountain gradients, biodiversity is normally greater in the lower altitudes as compared to higher altitudes.

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. Under Indian Forest Act (1927) which of the following is the correct classification of forest?

- (a) Grasslands, tropical forest, wetlands
- (b) Wildlife Sanctuary, national park, Biosphere reserves
- (c) Grassland, Wildlife Sanctuary, National Parks
- (d) Protected Forests, Reserved Forests, Village Forests

27. Government of India encourages the cultivation of 'sea buckthorn'. What is the importance of this plant?

- 1. It helps in controlling soil erosion and in preventing desertification.
- 2. It is a rich source of biodiesel.
- 3. It has nutritional value and is well-adapted to live in cold areas of high altitudes.
- 4. Its timber is of great commercial value.

Which of the statements given above is /are correct?

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

28. "Momentum for Change: Climate Neutral Now" is an initiative launched by-

- (a) The Intergovernmental Panel on Climate Change
- (b) The UNEP Secretariat
- (c) The UNFCCC Secretariat
- (d) The World Meteorological Organization

29. Match List - I with List - II and choose the correct answer from the codes given below:

List - I	List - II
(National Park)	(Location)
A. Kaziranga	1. Chikmagalur
B. Kudremukh	2. Palghat
C. Silent Valley	3. Nagpur
D. Pench Valley	4. Golaghat- Nawgaon

A B C D

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

30. What is the primary purpose of Alpha Particle X-ray Spectrometer (APXS) used in planetary exploration missions?

- (a) To measure the temperature of planetary surfaces
- (b) To capture high-resolution images of planetary landscapes
- (c) To analyse the chemical composition of rocks and soil
- (d) To detect magnetic fields on planets

31. Which of the following are detritivores?

- 1. Earthworms
- 2. Jellyfish
- 3. Millipedes
- 4. Seahorses
- 5. Woodlice

Select the correct answer using the code below

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

32. Consider the following statements regarding 'Pradhan Mantri Urja Ganga Project'

1. The project is also known as Jagdishpur – Haldia & Bokaro – Dhamra Pipeline Project (JHBDPL) project.
2. The project will cater four Eastern states i.e., Bihar, Jharkhand, Odisha, and West Bengal.
3. The project is being implemented by Oil and Natural Gas Corporation Limited (ONGC).

How many of the above statements are correct?

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

33. Consider the following statements regarding 'Bank for International Settlements (BIS)'

1. It was established in 1950 with headquarter in Basel, Switzerland.
2. It aids central banks in their pursuit of monetary and financial stability through international cooperation.
3. BIS is owned by central banks of all the countries who are members of World Bank system.

How many of the above statements are correct?

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

34. Consider the following countries:

1. Algeria
2. Libya
3. Israel
4. Sudan

How many of the above countries share land border with Egypt?

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

35. 'Purandar figs' which was in news recently originates from

- a) Bihar
- b) Maharashtra
- c) Andhra Pradesh
- d) Jharkhand

36. Recently, 'Indian Medical Association vs. V.P. Shantha' case was in the news. The case was related to which one of the following?

- a) Allowing AYUSH doctors to practice allopathic drugs
- b) Indian Medical Association rights to grade medical colleges
- c) Fixing doctors' liability in case of medical negligence
- d) Providing directives for violence against medical practitioners.

37. With reference to Extradition, consider the following statements

1. It is the process by which one state, upon the request of another, affects the return of a person for trial for a crime punishable by the laws of the requesting state and committed outside the state of refuge.
2. India has an Extradition treaty also with USA, UK and China.
3. Ministry of Home Affairs, administers the Extradition Act and it processes incoming and outgoing Extradition Requests.

How many of the above statements is/are correct?

- a) One only
- b) Two only
- c) All three
- d) None

38. Consider the following statements regarding Digital Agriculture Mission:

1. The Mission is conceived as an umbrella scheme to support digital agriculture initiatives, such as creating Digital Public Infrastructure (DPI).
2. The three DPIs to be built under the Mission are Krishi Sinchai Support System, Krishi Decision Support System, and Soil Profile Mapping.

Which of the statements above is/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 Enforcement Directorate':

1. The director of ED is appointed by the Prime Minister who also decides his tenure and conditions of appointment.
2. It operates under the charge of Ministry of Home Affairs and looks after the cases of Prevention of Money Laundering (PMLA).

How many of the above is/are correct?

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

40. Consider the following countries

1. Iran
2. UAE
3. Saudi Arabia
4. Türkiye
5. Eritrea

How many of the above-mentioned countries are new members of BRICS group?

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

41. Recently, 'Monastery of Saint Hilarion' was in the news for which one of the following reasons?

- a) Destruction in the ongoing Russia-Ukraine conflict
- b) Dispute for ownership between Armenia and Azerbaijan
- c) Inclusion in UNESCO's World Heritage Site list
- d) Removal from UNESCO's World Heritage Site list

42. Which of the following statements is not correct about bond yield?

- a) Bond yield reflects the annual return an investor expects to receive on a bond.
- b) A higher bond yield typically indicates a higher interest rate paid on the bond.
- c) Bond price and yield have a direct relationship; when the price goes up, the yield goes up as well.
- d) Bond yield can be influenced by factors like the creditworthiness of the issuer and prevailing interest rates.

43. With references India's Palm oil imports, consider the following statements

1. India's palm oil imports primarily come from Brazil and Argentina due to favorable trade agreements.
2. Palm oil is a type of vegetable oil that is derived from the tree *Elaeis guineensis*.

Which of the above statements is/are correct?

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

44. Which one of the following statements about lithium is not correct?

- a) Lithium is the lightest metal on the periodic table.
- b) Lithium salts are sometimes prescribed to treat bipolar disorder.
- c) It has the lowest specific heat capacity of any solid element.
- d) Lithium is highly reactive with water.

45. Bluetongue Disease, infectious, non-contagious, vector-borne viral disease that affects wildlife, infects which of the following animals?

- a) Ruminants
- b) Bats
- c) Whales
- d) Lions

46. With respect to 'Bhil Tribe', consider the following statements

1. They could be identified as one of the Dravidian racial tribes of Eastern India
2. The Baneshwar fair is the main festival celebrated among the Bhils

Select the correct statement(s)

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

47. Veerangana Durgavati Tiger Reserve, recently seen in news is located in which of the following state?

- a) Madhya Pradesh
- b) Uttar Pradesh
- c) Odisha
- d) Karnataka

48. Consider the following statements

1. India is the world's largest source of nitrous oxide (N<sub>2</sub>O).
2. It is a greenhouse gas that heats up the atmosphere but less than carbon dioxide.
3. The major source of these emissions comes from fertilizer usage.

How many of the above statements is/are incorrect?

- a) One only
- b) Two only
- c) All three
- d) None

49. With reference to Real Estate Investment Trusts (REITs), consider the following statements

1. They are companies that own or finance income-producing real estate across a range of property sectors.
2. Most REITs are publicly traded like stocks, which makes them highly liquid, unlike real estate investments.

Which of the above statements is/are incorrect?

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

50. Consider the following statements

1. It is located in the Alwar district of Rajasthan.
2. It was once a hunting ground of the Maharaja of Alwar before being proclaimed a natural reserve in 1955 and a national park in 1979.
3. It is the first reserve in the world to successfully relocate tigers.

4. Nearly 90% of the area in the sanctuary is covered with dhok trees.

The above-mentioned statements refer to which one of the tiger reserves?

- a) Ranthambore Tiger Reserve
- b) Sariska Tiger Reserve
- c) Mukundra Hills Tiger Reserve
- d) Ramgarh Vishdhari Tiger Reserve

51. Which of the following statements about Clearing Corporations in India is correct?

- a) They are responsible for the regulation of stock exchanges and commodity markets.
- b) They guarantee the settlement of trades executed on stock exchanges.
- c) They are primarily involved in the issuance of new securities to the public.
- d) They directly provide loans to traders for margin trading activities.

52. Consider the following statements

1. Graphene is a nanomaterial and stronger than diamond.
2. It is more conductive than silver and more elastic than rubber.
3. It is lighter than aluminium.

How many of the above statements is/are correct?

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

53. A Federal polity involves

1. Relations between Union & States.
2. Relations among States
3. Mechanism for coordination
4. Mechanism for resolving disputes.

Select your correct answer from the codes given below:

Codes:

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

54. The Parliament is empowered to make any law for the whole or any part of India for the sake of implementing international treatise:

- (a) With the consent of all the States  
(b) With the consent of the majority of States  
(c) With the consent of the State  
(d) Without the consent of any State

55. Which one of the following is not a feature of a Zonal Council?

- (a) It is a Constitutional body  
(b) Five Zonal Councils have set up under the States Reorganization Act, 1956  
(c) Chandigarh although not a state is included in Zonal Council  
(d) It is an Advisory body

56. Consider the following:

Assertion (A): Recommendations of Rajya Sabha, after a Money Bill is passed by the Lok Sabha and transmitted to the Rajya Sabha have to be accepted by the Lok Sabha within 14 days

from the receipt of recommendations and then get them incorporated in the Bill.

Reason (R): Money Bill cannot be introduced in the Rajya Sabha.

Select the correct answer from the codes given below:

Codes:

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

57. According to the Constitution of India, it is duty of the President of India to cause to be laid before the Parliament which of the following?

1. The Recommendations of the Union Finance Commission
2. The Report of the Public Accounts Committee
3. The Report of the Comptroller and Auditor General
4. The Report of the National Commission for the Scheduled Castes

Select the correct answer by using the codes given below:

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

58. Which one of the following statements is/are not correct?

1. In Lok Sabha, a no-confidence motion has to set out the grounds on which it is based.
2. In the case of a no-confidence motion in Lok Sabha procedures of admissibility have been laid down in Rule 198 of Lok Sabha.
3. A motion of no-confidence once admitted has to be taken up within ten days of the leave being granted
4. In Italy, the government requires the support of both houses of Parliament.

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

59. Which of the following doesn't take oath of the office?

- (a) President  
(b) Vice- President  
(c) Speaker  
(d) Members of the Council of Ministers

60. As per Indian Protocol, who among the following ranks highest in the order of precedence?

- (a) Deputy Prime Minister  
(b) Former President  
(c) Governor of a State within his State  
(d) Speaker of Lok Sabha

61. Which of the following is not correctly matched?

- (a) Article 153 - Governors of States  
(b) Article 154 - Executive power of States  
(c) Article 155 - Removal of Governor  
(d) Article 156 - Term of office of Governor

62. Which of the following are the discretionary powers given to the Governor of a State?

1. Sending a report to the President of India for imposing the President's rule
2. Appointing the Ministers
3. Reserving certain bills passed by the State Legislature for consideration of the President of India
4. Making the rules to conduct the business of the State Government

Select the correct answer using the code given below.

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

63. Article 142 of the Indian Constitution, dealt with which of the following?

- (a) Seat of Supreme Court  
(b) Ancillary powers of Supreme Court  
(c) Special leave to appeal by the Supreme Court  
(d) Enforcement of decrees and order of Supreme Court

64. Consider the following statements:

(1) The provisions of Part IX of the Constitution relating to the Panchayats are not applicable to the Fifth Schedule Areas.

(2) At present seven states have Fifth Schedule Areas.

(3) The Parliament has enacted the PESA Act in 1996 for such areas.

Which of the above statements is/are correct?

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

65. Match the list I with list II and choose the correct answer using the codes given below the lists:

LIST I	LIST II
A. Adilshahi	1- Ahmednagar
B. Qutubshahi	2- Bijapur
C. Nizamshahi	3- Golconda
D. Sharqi Shahi	4- Jaunpur

Codes:

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

66. What is the application of Somatic Cell Nuclear Transfer Technology?

- (a) Production of bio-larvicides
- (b) Manufacture of biodegradable plastics
- (c) Reproductive cloning of animals
- (d) Production of organisms free of diseases

67. Match List-I with List-II and select the correct answer from the code given below the lists.

List-I	List-II
(Philosopher)	(Philosophy)
A. Ramanuja	1. Suddadvait
B. Madhavacharya	2. Dvaitadvait
C. Nimbarka	3. Dvaita
D. Vallabhacharya	4. Vishishtadvaita

Code:

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

68. The motive behind Shah Jahan's Balkh campaign was to-

- (a) Secure a friendly ruler in Balkh and Badakshan which bordered Kabul
- (b) Conquer Samarkand and Ferghana, the Mughal homelands
- (c) Fix the Mughal frontier on the 'scientific line', the Amu Darya
- (d) Expand the Mughal Empire beyond the sub-continent

69. Consider the following diseases

1. Diphtheria
2. Chickenpox
3. Smallpox

Which of the above diseases has/have been eradicated in India?

- (a) 1 and 2 only
- (b) 3 only
- (c) 1, 2 and 3
- (d) None

70. Consider the following animals:

1. Sea cow
2. Sea horse
3. Sea lion

Which of the above is/are mammal/mammals?

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

71. LIQUID Tree or LIQUID 3, recently seen in the news, is used to:

- (a) Reduce greenhouse gas emissions and improve air quality
- (b) Trap solar energy more efficiently than the conventional photovoltaic technology
- (c) Prevent forest fires
- (d) Purify metallic pollutants from drinking water

72. Virovory Halteria, which is recently seen in news is a/an

- (a) Cryptocurrency
- (b) Virus eating organism
- (c) Antivirus Software
- (d) Non-Fungible Token

73. 'Biotransformation', a new technology, recently seen in news, is related to:

- (a) Production of biodegradable variety of plastic
- (b) Cost-effective production of biofuels
- (c) Bioremediation technology used in metal waste reduction
- (d) Technology to use stem cells in helping disabled people

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

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

Which of the statements given above is/are correct?

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

75. With reference to the Mediterranean region, which of the following is/are cold local winds?

1. Sirocco
2. Mistral
3. Bora

Select the correct answer using the code given below.

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

76. At time  $t=1$  second, the speed of A is 10 m/s, and it increases every second by 5m/s, then consider the following statements

- i. the time at which A reaches 55 m/s is 9 seconds.
- ii. the time at which A reaches 55 m/s is 10 seconds.
- iii. the distance travelled by A, when A reaches 55 m/s is 325 meters.
- iv. the distance travelled by A, when A reaches 55 m/s is 270 meters

Choose the correct option

- (a) (i) and (iii)
- (b) (ii) and (iii)
- (c) (i) and (iv)
- (d) (ii) and (iv)

77. Fifteen females participate in a singles badminton tournament. If a player is eliminated as soon as she loses a match, how many matches are required to determine the winner?

- (a) 13
- (b) 14
- (c) 15
- (d) 16

78. How many 5-digit numbers can be formed using 0, 3, 4, 5, 6, 7 without repetition which are divisible by 5?

- (a) 96
- (b) 192
- (c) 216
- (d) 240

79. A batsman scores 1 run in 2 balls, 2 runs in the next 3 balls, 3 runs in the next 4 balls and so on. How many runs he has scored in 17 balls?

- (a) 6
- (b) 10
- (c) 15
- (d) None of these

80. 12121212... upto 100 digits are divided by 33. Find the remainder.

- (a) 1
- (b) 6
- (c) 17
- (d) 32

81. Find the number of 49s in  $50! - 49!$ .

- (a) 4
- (b) 5
- (c) 6
- (d) 7

### PASSAGE 1

Many opportunities to harness the highly skewed, seasonal and spatial distribution of monsoon floes, which occur in a four-month period from June to September annually, have been lost. Since these few months account for most of the rainfall and consequent freshwater availability, the need for holding rainwater in reservoirs, for subsequently releasing it for use over the year, is a necessity nobody can afford to overlook. Climate change will continue to affect weather conditions and create water shortages and excesses. While millions suffer from droughts and floods, waters in the country's many rivers flow unutilized, and are discharged into the sea every year.

82. With reference to the above passage, which of the following could be the most rational and practical implications for India?

1. Inter-linking of rivers should be undertaken.
2. A network of dams and canals should be built across the country for proper distribution of water.
3. Farmers should be provided easy loans for digging borewells.
4. Usage of water for agriculture should be regulated by law.
5. Distribution of river water among regions should be regulated by the Union Government.

Select the correct answer using the code given below.

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

### PASSAGE 2

One of the biggest ironies around water is that it comes from rivers and other wetlands. Yet it is seen as divorced from them. While water is used as a resource, public policy does not always grasp that it is a part of the natural ecosystem. Efforts at engineering water systems are thus effort at augmenting water supply rather than strengthening the capacities of ecological systems.

83. Which one of the following is the most logical and rational inference that can be made from the above passage?

- (a) Rivers and other wetlands should be protected under Ramsar Convention.
- (b) Engineering water systems should be modernized and further augmented.
- (c) Wetlands need to be reinforced as more than just open sources of water.
- (d) Water supply should not be free of cost so as to prevent its misuse or overuse

84. What will be the 200<sup>th</sup> term of given sequence 1, 2, 2, 3, 3, 3, 4, 4, 4, 4, ...?

- |        |        |
|--------|--------|
| (a) 19 | (b) 20 |
| (c) 21 | (d) 22 |

### PASSAGE 3

Although most of the Genetically Modified (GM) crops cultivated now are genetically engineered for a single trait, in future, crops genetically engineered for more than one trait will be the norm. Thus, biotechnology's role in agriculture and the regulation of the same cannot be generation of GM crops. Instead, there is a need to take a comprehensive look, taking into account various aspects, including socio-economic impacts, so that the potential of the technology can be harnessed while minimizing negative impacts. Given the importance of biotechnology in developing varieties that can help in climate change mitigation and adaptation, not using biotechnology as a part of the climate change action plan cannot be an option. Domestic regulation of biotechnology cannot be viewed in isolation of trade policy and obligations under various international treaties and conventions.

85. With reference to the above passage, the following assumptions have been made:

1. Biotechnology regulation is an evolving process.
2. Participation of people is needed in policy decisions regarding biotechnology regulation.
3. Biotechnology regulation should take into account socio-economic aspects in decision-making.
4. Wider involvement of political executive in biotechnology regulation improved its

effectiveness in dealing with the country's trade policies and international obligations.

How many of the above assumptions are valid?

- (a) Only 1 assumption
- (b) Only 2 assumptions
- (c) Only 3 assumptions
- (d) All 4 assumptions

86. Which one of the following statements best implies the crux of the passage?

- (a) Precautionary principle is not given importance in current debate on developing GM crops.
- (b) Biotechnology is not currently used in climate change mitigation and adaptation mechanisms.
- (c) Biotechnology's role is not confined to the current priorities of developing GM crops.
- (d) The negative impacts of biotechnology are not properly understood

87. All odd prime numbers upto 110 are multiplied together. What is the unit digit?

- (a) 0
- (b) 3
- (c) 5
- (d) 6

88. 2 men and 2 women are to be selected from a group of 6 men and 5 women. In how many ways can they be selected?

- |         |         |
|---------|---------|
| (a) 120 | (b) 150 |
| (c) 180 | (d) 240 |

#### PASSAGE 4

Benefits of good quality school education accrue only when students complete and leave school after having acquired the gateway skills. Like one learns to walk before running, similarly one picks up advanced skills only after picking the basic foundational skills. The advent of the knowledge economy poses new challenges, and one of the severe consequences of having an uneducated workforce will be our inability to keep pace with the global economy. Without a strong learning foundation at the primary level, there can be no improvement in higher education or skill development.

89. Which one of the following statements best reflects the crux of the passage?

- (a) India is unable to become a global power because it is not focusing or promoting knowledge economy
- (b) Parents of many school children are illiterate and are unaware of the benefits of quality education.
- (c) Our education system should focus more on imparting skills during higher education.
- (d) To become a global power, India needs to invest in universal quality education.

90. In a certain code, NEWYORK is written as 111, how is NEWJERSEY written in that code?

- (a) 124                      (b) 123
- (c) 122                      (d) 121

91. Five Persons P, Q, S, T, M live in a hut, palace, hotel cottage, pent house not necessarily in the order. Each of them likes two colours out of red, green, yellow, blue & black. P likes red & blue. Q lives in a hut. T likes yellow & black and S likes the colour liked by p. The person who lives in a palace doesn't like blue or black colour, so where does M stay?

- (a) Palace
- (b) b) Hut
- (c) c) Cottage
- (d) d) Pent house

92. What is the unit digit in the expansion of

$$2^{256} \times 255 \times 254 \times 253 \times \dots \times 1 ?$$

- (a) 2
- (b) 4
- (c) 8
- (d) 6

93. A and B working separately can complete a piece of work in 10 and 16 days, respectively. If they work for a day alternatively, with A beginning the work, in how many day(s) will the work be completed?

- (a)  $12\frac{1}{4}$
- (b)  $13\frac{1}{4}$
- (c)  $14\frac{1}{4}$
- (d)  $15\frac{1}{4}$

94. Two trains A and B start running at 80 km/h and 82 km/h towards each other from two different stations. They meet after 1 hour 30 minutes. How far were they from each other when they started?

- (a) 19 km                      (b) 262 km  
(c) 243 km                      (d) 224 km

95. Find the smallest number of 6 digit which when divided by 3,4,5 and 6 gives remainder 2.

- (a) 100002  
(b) 100018  
(c) 100022  
(d) 100024

96. Total amount of Rs 69 were divided among 115 students so that each boy gets 50 paise less than a girl. Thus, each girl received twice the paise as each boy received. The number of boys are ?

- (a) 92                          (b) 96  
(c) 115                        (d) 23

97. A student get +3 marks for each right answer and -0.5 marks for each wrong answer in an exam consisting 250 questions. If the student gets 477 marks in the exam, find the number of wrong questions attempted by the student.

- (a) 39                          (b) 78  
(c) 86                          (d) 92

98. In a Zoo, there are Deers and Ducks. If the heads are counted there are 180 while the legs are 448. What will be the number of deers in the zoo?

- (a) 40                          (b) 44  
(c) 48                          (d) 52

99. A, B and C are three places such that there are three different roads from A to B, four different roads from B to C and three different roads from A to C. In how many different ways can one travel from A to C using these roads?

- (a) 10  
(b) 13  
(c) 15  
(d) 32

100. Gopal bought a cell phone and sold it to Ram at 10% profit. Then Ram wanted to sell it back to Gopal at 10% loss. What will be Gopal's position if he agreed?

- (a) Neither loss nor gain  
(b) Loss 1%  
(c) Gain 1%  
(d) Gain 0-5%

SPACE FOR ROUGH WORK

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