

Booklet Serial No.

148

Signature Invigilator

Maulana Azad National Urdu University

CSE – RCA

Entrance Test Question Paper – August 2025

Hall Ticket No.

OMR Serial No.

Time: 2hrs

Maximum Marks: 200

INSTRUCTIONS FOR CANDIDATES

1. Candidate should write their Hall Ticket number and OMR serial number on the space provided above. Candidate should not write their Name, Hall Ticket number and OMR Serial Number at any other place.
2. This booklet contains **(20)** pages. Last pages are given for rough work. The Candidate should check the booklet before taking the Test. In case of any discrepancy, a new booklet may be provided by the Invigilator.
3. The question booklet contains 100 Multiple Choice Questions. For each question there are four options, (A), (B), (C), (D). The candidate is required to choose the correct answer and darken the circle with blue / black ballpoint pen in the OMR sheet against the corresponding answer.
4. The candidate will get two marks for each correct answer in the OMR sheet. If the candidate does not bubble the correct answer against the corresponding question number in the OMR sheet, they will not get marks.
5. If the candidate bubbles more than one circle in OMR Sheet for any question, marks shall not be awarded for the question.
6. There is 1/3 Negative marks.
7. At the end of Entrance Test, candidates are allowed to take their question booklet.

1. Consider the following statements:

1. A political party that secures at least six per cent of the total votes in Lok Sabha elections or Assembly elections in four States is recognized as a national party.
2. A party that secures at least six per cent of the total votes in an election to the Legislative Assembly of a State and wins at least two seats is recognized as a State party.

Which of the above statements is/are correct?

- | | |
|------------|------------|
| (A) 1 only | (B) 2 only |
| (C) Both | (D) None |

2. The constituent Assembly appointed a number of committees to deal with different tasks and works of Constituent making. Who was the chairman of the Fundamental Rights Sub-Committee?

- | | |
|------------------------|-------------------------|
| (A) Dr. B. R. Ambedkar | (B) Dr. Rajendra Prasad |
| (C) Dr. K. M. Munshi | (D) JB Kripalani |

3. Which of the following statements regarding the principle of equality before law in India is/are correct?

1. Article 14 guarantees equality before law and equal protection of the laws to all persons, including foreigners and legal entities.
2. The principle of "equality before law" is a positive concept that allows for reasonable classification by the law.
3. The rule of law, as embodied in Article 14, is a basic feature of the Constitution of India and cannot be destroyed by any amendment.

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 |

4. Consider the following provisions of Indian Constitution:

1. Ideal of justice
2. Rule of Law
3. Bicameralism
4. Public Service Commission
5. Governor office

How many of the above-mentioned Provisions are adopted from the British Constitution?

- | | |
|---------------|----------------|
| (A) Only two | (B) Only three |
| (C) Only four | (D) All five |

5. Which region in the South Caucasus is known for its long-standing and complex conflict between Armenia and Azerbaijan, with roots tracing back to the early 20th century during the dissolution of the Russian Empire and the subsequent formation and rivalry of the Armenian and Azerbaijani national movements?

- | | |
|-------------------|----------------------|
| (A) Transnistria | (B) Tbilisi |
| (C) South Ossetia | (D) Nagorno Karabakh |

6. Consider the following statements:

1. The Constitution of India classifies the ministers into four ranks: Cabinet Minister, Minister of State with Independent Charge, Minister of State and Deputy Minister.
2. As per article 75, there shall be a council of ministers with the PM as the head to aid and advise the President.

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

7. Arrange the following functions performed by the Constituent Assembly in a chronological order:

1. Adoption of National Flag
2. Election of Dr. Rajendra Prasad as the President of the Assembly
3. Adoption of Objective Resolution
4. Adoption of national anthem

Select the correct answer using the code given below:

- (A) 2-1-3-4 (B) 2-3-4-1
(C) 3-2-1-4 (D) 2-3-1-4

8. Consider the following rights:

1. Freedom of press
2. Right to demonstration
3. Right to strike
4. Right to travel abroad
5. Right to internet access
6. Right to marry a person of one's choice

How many of the above rights are inferred as fundamental rights as per Article 19?

- (A) Only two (B) Only three
(C) Only four (D) Only five

9. The Constitution (92nd Amendment) Act, 2003 amended the Eighth Schedule to the Constitution to include which of the following languages?

1. Konkani
2. Bodo
3. Dogri
4. Manipuri
5. Maithili
6. Nepali
7. Santhali

Select the correct answer using the code below:

- (A) 1, 4, 5 and 6 (B) 1, 4 and 6
(C) 2, 3, 5 and 7 (D) 2, 3, 5, 6 and 7

10. Which one of the following is the correct sequence of the positions in the Bay of Bengal from North to South?

- (A) Gulf of Mannar - Palk Strait - Palk Bay
- (B) Palk Strait - Gulf of Mannar - Palk Bay
- (C) Palk Strait - Palk Bay - Gulf of Mannar
- (D) Palk Bay - Palk Strait - Gulf of Mannar

11. Consider the following statements with respect to the office of Vice President in India:

- 1. It has no exact parallel in the countries of other democratic constitutions of the world.
- 2. Nominated members of both Lok Sabha and Rajya Sabha are allowed to vote in the election of Vice-President.
- 3. No woman has yet held this office in India.

How many of the above statements are correct?

- (A) Only one
- (B) Only two
- (C) All three
- (D) None

12. Consider the following statements:

- 1. The President's Rule can be proclaimed under Article 356 on two grounds.
- 2. A proclamation imposing President's Rule must be approved by both the Houses of Parliament within one month from the date of its issue.
- 3. The President can suspend or dissolve the state legislative assembly.

Which of the statements given above is/are correct?

- (A) 1 only
- (B) 1 and 2 only
- (C) 1 and 3 only
- (D) 1, 2 and 3

13. Consider the following statements with reference to double membership of the Parliament:

- 1. A person elected to both the Houses of Parliament must intimate within 10 days in which House she desires to serve or her seat in Rajya Sabha becomes vacant.
- 2. A sitting member of one House if elected to another House, his/her seat in the first House becomes vacant.
- 3. A person elected to two seats in a House must exercise her option for one, otherwise, both seats become vacant.

Which of the above statements are correct?

- (A) 1 and 2 only
- (B) 2 and 3 only
- (C) 1 and 3 only
- (D) 1, 2 and 3

14. Consider the following statements:

- 1. Collegium system is a system where a committee of the Chief Justice of India, four senior judges of the Supreme Court take decisions related to appointments to the Supreme Court.
- 2. In the case of the appointment of high court judges, the chief justice of India should consult a collegium of two senior-most judges of the Supreme Court.

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

15. In 2024, Bolivia, Sierra Leone, and Gabon garnered international attention due to which of the following reasons that were common to all of them?
- (A) Attempted coups
 - (B) Discovery of substantial deposits of rare earth elements
 - (C) Establishment of Chinese military bases
 - (D) Adopting crypto currency as legal tender
16. Recently, New Caledonia was in the news, it is a territory of which of the following nations?
- (A) France
 - (B) United Kingdom
 - (C) Spain
 - (D) Germany
17. Consider the following statements regarding the upcoming Census of India:
1. It will be India's first digital Census and the first to include caste enumeration since Independence.
 2. The reference date for the Census across all States and Union Territories will be March 1, 2027.
 3. The Census Act, 1948, along with the Census Rules, 1990, provides the legal framework for the exercise.
- Which of the statements given above is/are correct?
- (A) 1 and 2 only
 - (B) 2 and 3 only
 - (C) 1 and 3 only
 - (D) 1, 2, and 3
18. The term "Fattah 2", recently seen in the news, refers to:
- (A) A quantum computing chip designed by UAE.
 - (B) An Israeli air defence interceptor.
 - (C) A nuclear-powered drone developed by Turkey.
 - (D) A hypersonic ballistic missile developed by Iran.
19. Consider the following statements regarding the International Civil Aviation Organization (ICAO):
1. It was established by the Chicago Convention in 1944 and became operational in 1947.
 2. It is a specialized agency of the United Nations with headquarters in Montreal, Canada.
 3. It provides technical assistance for military aviation operations among its member states.
 4. It helps develop legal frameworks for international civil aviation and promotes aviation market liberalization.
- How many of the above statements are correct?
- (A) Only two
 - (B) Only three
 - (C) All four
 - (D) Only one
20. Recently the Kamchatka Peninsula was in the news. It is related to
- (A) Japan
 - (B) China
 - (C) South Korea
 - (D) Russia

21. Consider the following statements:
1. The Chinese pilgrim Fa-Hien attended the fourth Great Buddhist Council held by Kanishka.
 2. The Chinese pilgrim Hiuen Tsang met Harsha and found him to be antagonistic to Buddhism.
- 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. The rulers of which of the following dynasty have been called as 'Shriparvatiya' in Puranas?
- (A) Vakatakas (B) Ikshvakus
(C) Shaks (D) Kharvelas
23. This collection of the writings of the Shaivite saints is considered as Fifth Veda. What is the name of the above collection?
- (A) Tolkapiyam (B) Manimekalai
(C) Tirumurai (D) Tirumanthiram
24. With respect to the socio-economic life during the vijanagara empire, consider the following statements.
1. The temples took an active part in both internal and overseas trade.
 2. Large number of women were employed in the royal palaces as dancers.
 3. The kings of Vijaynagar empire were generally tolerant towards people from other religions.
- How many of the given statements are correct?
- (A) 1 only (B) 1 and 3 only
(C) 2 and 3 only (D) 1, 2 and 3 only
25. Sayana, the famous commentator of the Vedas, flourished under the rule of
- (A) Vijaynagar (B) Marathas
(C) Gajapatis (D) Bahmani
26. Regarding the **NASA-ISRO Synthetic Aperture Radar (NISAR)** satellite:
1. It is a joint mission between India and the USA.
 2. It will scan Earth's land and ice surfaces every 12 days.
 3. It uses optical imaging technology.
- (A) 1 and 2 only (B) 2 and 3 only
(C) 1 and 3 only (D) 1, 2, and 3
27. The '**Digital Ocean**' initiative launched in 2025 by India:
1. It focuses on developing AI-powered maritime surveillance.
 2. It aims to enhance underwater internet connectivity.
 3. It is a joint project between DRDO and the Indian Navy.
- (A) 1 and 2 only (B) 1 and 3 only
(C) 2 and 3 only (D) 1, 2, and 3

28. The '**Chandrayaan-4**' lunar mission slated for 2026 aims to:
1. Land a rover on the Moon's South Pole.
 2. Collect subsurface samples using drilling technology.
 3. Establish a permanent lunar base.
- (A) 2 and 3 only (B) 1 and 2 only (C) 1 only (D) 1, 2, and 3
29. India's '**Green Satellite**' launched in 2025 is intended to:
1. Monitor deforestation and carbon capture.
 2. Operate solely on solar power without backup.
 3. Function primarily in Low Earth Orbit (LEO).
- (A) 1 only (B) 2 and 3 only (C) 1 and 3 only (D) 1, 2, and 3
30. With reference to India's renewable energy sector as of July 2025:
1. India operationalized the world's largest floating solar power plant on the Godavari River.
 2. Green hydrogen production is incentivized via viability gap funding under the National Green Hydrogen Mission.
 3. Only state-owned enterprises can participate in offshore wind projects.
- (A) 1 and 2 only (B) 2 only (C) 2 and 3 only (D) 1, 2, and 3
31. Consider the following statements regarding India's advances in quantum technology in 2025:
1. India's first cloud-based quantum computing platform allows real-time access to quantum processors for academic and industrial research.
 2. Only the Department of Space is authorized to coordinate national-level quantum technology projects.
 3. India participated in the launch of the Global Quantum Security Alliance.
- (A) 1 and 2 only (B) 1 and 3 only (C) 2 and 3 only (D) 1, 2, and 3
32. Consider the following statements with respect to Digital Bharat Nidhi (DBN):
1. Contributions made towards the DBN will be credited to the Consolidated Fund of India.
 2. It will be used to promote access and delivery of high-speed internet access in underserved and remote rural areas.
- 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
33. Consider the following statements:
1. The Ministry of Rural Development is responsible for implementing the Digital India Land Records Modernization Programme (DILRMP).
 2. DILRMP aims to enhance access to land rights for marginalized communities.
 3. Land and its management are part of the Union List of the Constitution.
 4. DILRMP has achieved complete digitization of land records in rural India.
- How many of the above statements is/are correct?
- (A) Only one (B) Only two (C) All three (D) None

34. They are an isolated tribal community living in the Biligiri Rangana Hills in the southern part of Karnataka. They were the first ones to get forest land rights inside the tiger reserve in 2011. They are also known as the "Children of Bamboo," as their name is believed to signify their origin from bamboo. Which of the following tribes is described above?
- (A) Konda Reddy tribes (B) Jenu Kuruba tribes
(C) Soligas tribes (D) Irula Tribe
35. India's first Glass Sea bridge was recently opened at
- (A) Gujarat (B) West Bengal (C) Kerala (D) Tamil Nadu
36. Which among the following best describes the term 'Firesat project,' seen recently in the news?
- (A) Genetically engineered insect species to control weed proliferation in India.
(B) China's latest anti-satellite weapon system.
(C) ISRO initiative to develop new fire-resistant materials for spacecraft.
(D) Google-backed initiative aimed at using satellites to detect wildfires.
37. Consider the following:
1. Khangchendzonga
 2. Seshachalam
 3. Nokrek
 4. Similipal
 5. Great Nicobar
- How many of the above Biosphere reserves are included under UNESCO's World Network of Biosphere Reserves?
- (A) Only two (B) Only three (C) Only four (D) All five
38. With reference to electromagnetic waves, consider the following statements:
1. Radio waves have a higher frequency than X-rays.
 2. Visible light is a type of electromagnetic wave.
 3. Gamma rays have the lowest energy among all electromagnetic waves.
- Which of the statements given above is/are correct?
- (A) 1 and 2 only (B) 2 only (C) 2 and 3 only (D) 1, 2, and 3
39. As per the third schedule of the Indian constitution, which of the following authorities need to take an Oath of Secrecy?
1. Members of Parliament
 2. Ministers of Union
 3. Ministers of States
 4. Judges of the Supreme Court and High Courts
 5. President of India
- Select the correct answer using the code given below.
- (A) 1 and 5 only (B) 2 and 3 only
(C) 1, 2, 3 and 4 only (D) 1, 2, 3, 4 and 5

40. Consider the following:

1. Altocumulus clouds
2. Cirrus clouds
3. Nimbostratus clouds
4. Stratocumulus clouds

Arrange the above clouds in the correct order in ascending order (lowest to highest) of height from the surface.

- (A) 1-2-4-3 (B) 2-4-3-1 (C) 4-3-1-2 (D) 2-4-1-3

41. Consider the following statements :

1. Block mountains form only over Igneous rocks
2. Fold mountains form predominantly over sedimentary rocks
3. Igneous rocks have no fossils
4. Sedimentary rocks exhibit foliation

Which of the above statements are correct?

- (A) 1, 2 and 3 (B) 2 and 3 (C) 2,3 and 4 (D) All of the above

42. Arrange the following geographical regions from north to south :

1. Yellow Sea
2. Tasman Sea
3. Sea of Okhotsk
4. South China Sea

Choose the correct order :

- (A) 1,2,3,4 (B) 2,3,1,4 (C) 3,1,4,2 (D) 3,4,1,2

43. Consider the following :

1. Mt. Kilimanjaro - Fold Mountain
2. Atlas Mt. - Volcanic Mountain
3. Appalachians - Relict Mountain
4. Vindhyas - Block Mountain

How many of the above pairs are correctly matched

- (A) Only one (B) Only two (C) Only three (D) All four

44. According to Alfred Wegner, which of the following forces was responsible for continental drift?

- (A) Thermal convective currents (B) Meteorite shower
(C) Pole fleeing force (D) Plate boundaries

45. Consider the following statements about Seismic waves :

1. P waves are analogous to light waves
2. S waves are analogous to water ripples
3. L waves are the most destructive
4. S waves travel only through liquids

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

- (A) 1, 2 and 4 (B) 1 and 4 (C) 1, 3 and 4 (D) All of the above

46. Consider the following statements :
1. Sunspots are temporary dark spots on the Sun's surface
 2. Sunspots are caused by intense magnetic activity
 3. More sunspots cause less insolation on earth
 4. Period of less sunspots is called Solar Minimum
- Which of the above statements are correct?
- (A) 1, 3 and 4 (B) 2, 3 and 4 (C) 1, 2 and 3 (D) 1, 2 and 4
47. Consider the following statements :
1. North East Trades blow from Sub-tropical High to Equatorial Low
 2. South East Trades blow from 30° N to 0° N
 3. Polar Easterlies blow from Sub-polar High to Polar Low
 4. Westerlies blow from 30° N to 60° N
- Which of the above statements are **incorrect**?
- (A) 2 and 3 (B) 2 and 4 (C) 2, 3 and 4 (D) 1, 3 and 4
48. Consider the following statements :
1. Walker circulation causes High pressure near Somalia coast
 2. Positive Indian Ocean Dipole causes cold waters near Somalia coast
- Which of the above statements is correct?
- (A) 1 only (B) 2 only (C) Both 1 & 2 (D) Neither 1 nor 2
49. Which of the following rivers is **not** a part of the Indus River system ?
- (A) Spiti (B) Ujh (C) Rangit (D) Nubra
50. A warm and fast western boundary current flowing southward along the southeast coast of Africa in the Indian Ocean is known as :
- (A) Agulhas current (B) Benguala current (C) Canary current (D) Doldrums
51. Consider the following :
1. Commensalism→One Species is benefitted, Other is neutral
 2. Amensalism→One Species is harmed, Other is benefitted
 3. Parasitism→One Species is harmed, Other is neutral
 4. Competition→One Species is benefitted, Other is harmed
- How many of the above are correctly matched?
- (A) Only one (B) Only two (C) Only three (D) All of the above
52. Arrange the following global environmental events in chronological order starting from the earliest to latest :
1. IPCC formed (Intergovernmental Panel on Climate Change)
 2. Kyoto Protocol came into force
 3. Paris Climate Deal signed
 4. Rio Earth Summit
- Choose the correct order :
- (A) 1,2,3,4 (B) 1,4,3,2 (C) 1,4,2,3 (D) 3,4,1,2

53. Consider the following Biogeochemical Cycles :
1. Nitrogen Cycle
 2. Carbon Cycle
 3. Phosphorous Cycle
 4. Sulphur
- How many of the above cycles are completely sedimentary cycles -
- (A) Only one (B) Only two (C) Only three (D) All four
54. Choose the correct order of Levels of Organisation in Ecology :
- (A) Individual→Population→Ecosystem→Community→Biome→Biosphere
 (B) Individual→Population→Community→Ecosystem→Biome→Biosphere
 (C) Individual→Population→Community→Biome→Ecosystem→Biosphere
 (D) Individual→Ecosystem→Population→Community→Biome→Biosphere
55. Consider the following statements about International Union for Conservation of Nature (IUCN):
1. It is the first global environmental union
 2. Its headquarters is in Gland, Switzerland
 3. It releases the Living Planet Report
 4. It releases IUCN Red List of Endangered Species
- Which of the above statements are **incorrect**?
- (A) 1 Only (B) 2 Only (C) 3 Only (D) None of the above
56. Consider the following International Agreements and their focus areas :
1. Alma-Ata Declaration → Healthcare of people
 2. Hague Convention → Biological and Chemical weapons
 3. Talanoa Dialogue → Global Climate Change
 4. Under2 Coalition → Child Rights
- Which of the pairs given above is/are correctly matched?
- (A) 1 and 2 only (B) 4 only (C) 1 and 3 only (D) 2, 3 and 4 only
57. Consider the following :
1. Bhoj Wetland → Madhya Pradesh
 2. Deepor Beel → Assam
 3. Kanjli Lake → Uttar Pradesh
 4. Hokera Wetland → Punjab
- Which of the above are incorrectly matched?
- (A) 1 and 3 (B) 3 and 4 (C) 2, 3 and 4 (D) 1, 3 and 4
58. Consider the following statements:
1. Lifestyle for the Environment (LiFE) was introduced by India at COP-26 in Glasgow on 1st November 2023
 2. It mandates participant countries to contribute \$100 billion in climate finance by 2030
- Which of the above statements is correct?
- (A) 1 only (B) 2 only (C) Both 1 & 2 (D) Neither 1 nor 2

59. Cartagena Protocol and Nagoya Protocol were framed under which International convention?
- United Nations Convention on Biological Diversity (UNCBD)
 - United Nations Framework Convention on Climate Change (UNFCCC)
 - United Nations Environment Program (UNEP)
 - United Nations Global Environment Facility (GEF)
60. Consider the following statements about Olive Ridley Turtles :
- They are the smallest and most abundant sea turtles
 - They are known for mass nesting events called "arribada"
 - In India their nesting site is at Gahirmatha beach in Andhra Pradesh
 - They are listed as critically endangered on the IUCN Red List
- Which of the above statements are incorrect?
- 2 and 3
 - 3 and 4
 - 2 and 4
 - 1 and 4
61. Consider the following:
- Unemployment Allowance
 - Social Security payments
 - Old age pension
- How many of the above are part of transfer payments?
- Only one
 - Only two
 - All three
 - None
62. With regards to the money supply in the economy, consider the following statements:
- Statement I:** Money in the Savings account multiplies more than the money in the Bank locker.
- Statement-II:** Money in the Savings account undergoes multiplication, whereas money in the Bank locker does not.
- Which one of the following is correct in respect of the above statements?
- Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I.
 - Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I.
 - Statement-I is correct but Statement-II is incorrect.
 - Statement-I is incorrect but Statement-II is correct.
63. Consider the following statements regarding GVA (Gross Value Added) and GDP (Gross Domestic Product):
- While GVA depicts the state of economic activity from the producers' side, GDP depicts the demand perspective.
 - GVA is a better reflection of productivity than GDP as it excludes indirect taxes. Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2

64. In the context of capital markets, what does a Scrip Issue refer to?
- (A) Converting debt into equity shares for existing shareholders.
 - (B) A company repurchasing its own shares from the open market.
 - (C) Issuing new shares to shareholders without raising additional capital.
 - (D) Offering existing shareholders the opportunity to buy shares at market price
65. The ASPIRE Scheme is primarily associated with which of the following objectives of the Government of India?
- (A) Skill development centers for rural youth
 - (B) Technology and incubation centers for fostering entrepreneurship in the agro- industry
 - (C) Registration and recognition of Micro, Small and Medium Enterprises (MSMEs)
 - (D) Promote public-private partnerships in infrastructure development
66. Consider the following statements with reference to the Inflationary gap:
1. An inflationary gap exists when the demand for goods and services exceeds production.
 2. For the gap to be considered inflationary, the current real GDP must be higher than the potential GDP.
- 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
67. Which one of the following statements correctly describes the meaning of the “Diamond water paradox”?
- (A) A situation in which the price of a product rises while the demand for the same product increases.
 - (B) A country with a higher capital per worker has a lower capital/labor ratio in exports than in imports.
 - (C) A situation in which people tend to save more money, thereby leading to a fall in aggregate savings of the economy as a whole.
 - (D) The idea that essential goods and services have lower prices than non - essential goods and services.
68. Consider the following:
1. Increase in reserve requirements by Central Bank
 2. Quantitative easing by the Central Bank
 3. Deposit of currency in commercial banks by the public
- How many of the above measures would result in an increase in the money supply in the economy?
- (A) Only one
 - (B) Only two
 - (C) All three
 - (D) None

69. Consider the following statements:

Statement-I: Liquidity trap is a situation when increase in money supply does not increase the interest rate.

Statement-II: Liquidity trap develops because consumers and investors prefer to hoard cash rather than spend or invest it even when interest rates are low.

Which one of the following is correct in respect of the above statements?

- (A) Both the Statement-I and Statement-II are correct and Statement-II is the correct explanation for statement I
- (B) Both Statement-I and Statement-II are correct but Statement-II is not the correct explanation for Statement-I
- (C) Statement-I is correct but Statement-II is incorrect
- (D) Statement-I is incorrect but Statement-II is correct

70. Consider the following statements:

Statement-I: A decrease in the Cash Reserve Ratio (CRR) results in an increase in the borrowing cost of funds for businesses and investors.

Statement-II: A decrease in the CRR by the Reserve Bank of India (RBI) increases the lendable resources of the commercial banks.

Which one of the following is correct in respect of the above statements?

- (A) Both the Statement-I and Statement-II are correct and Statement-II is the correct explanation for statement I
- (B) Both Statement-I and Statement-II are correct but Statement-II is not the correct explanation for Statement-I
- (C) Statement I is right Statement II is wrong
- (D) Statement I is wrong Statement II is right

71. Which one of the following act was described by JL Nehru as "New Charter Of Slavery"

- (A) GOI Act, 1919
- (B) Rowlatt Act, 1919
- (C) Indian council Act, 1909
- (D) None of the above

72. Consider the following statements with respect to initiatives regarding child marriage in 19th century India:

1. The Age of Consent Act 1891 was the first legislation in British India which regulated child marriage.
2. The efforts of B. M Malabari led to the passage of Sarda Act which raised the marriage age of girls.

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

73. Promotha mitter, Barindrakumar Ghosh and Jatindranath Banerjee are known for founding which of the following organisations?

- (A) Anushilan Samiti in Calcutta
- (B) Calcutta unitarian committee
- (C) Indian association of Calcutta
- (D) Bengal British India Society

74. Which among the following factors can be considered as responsible for the decline of the Home Rule League Movement?
1. Difference of opinion between moderates and extremists
 2. Tilak was not able to provide leadership in later phase of the movement
 3. Report of the Simon Commission leading to the suppression of the movement.
- Select the correct answer using the code below.
- (A) 1 and 2 only (B) 2 and 3 only (C) 1 and 3 only (D) 1, 2 and 3 only
75. Who among the following launched an Anti-Non Cooperation Association in 1920 in India?
1. Purushottamdas Thakurdas
 2. Jamnadas Dwarkadas
 3. Pheroze Sethna
- 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 only
76. The cost price of Product A is Rs. 500 more than that of Product B. Product A is sold at a 20% profit, while Product B is sold at a 20% loss. If the overall profit earned from selling both products is 10%, what is the cost price of Product A?
- (A) Rs.600 (B) Rs. 750 (C) Rs.800 (D) Rs. 850
77. In a city, 20% families read only two newspapers, 40% of the remaining read three newspapers and the remaining families read only one newspaper. Which of the following statements must definitely be true?
- (A) Only 20% of the total families read three newspapers.
(B) 48% of the total families read only one newspaper.
(C) 60% of the total families read at least two newspapers.
(D) 88% of the total families read at least one newspaper.
78. To fill an empty pond with water, two pipes, A and B, are used. Pipe A alone can fill the pond in 70 hours, while Pipe B alone can do it in 80 hours. If both pipes are opened simultaneously, how much time will it take to fill the pond?
- (A) 37.33 hours (B) 27.30 hours (C) 25.85 hours (D) 32.45 hours
79. a, b, c and d are natural numbers, such that $a - 502 = b + 503 = c - 504 = d + 505$. Which one of them is the largest natural number?
- (A) d (B) c (C) b (D) a
80. Seven friends (four boys and three girls) went on a Goa trip, where they stayed at are sort. The resort had nine rooms vacant, numbered from 1 to 9. First, girls were to choose any three rooms from those numbered 1 to 5 and then boys would choose any four rooms out of the remaining six rooms.
- What is the maximum possible number of ways in which this can be done?
- (A) 400 (B) 1320 (C) 21600 (D) 3660

81. A cyclist travels along the four sides of a square-shaped track at speeds - p , $3p$, $4p$ and $6p$, respectively. If ' s ' is the average speed of the cyclist in a complete round, then which one of the following is correct?
- (A) $s = 2.25p$ (B) $s = 3p$ (C) $2.25p < s < 3p$ (D) $3p < s < 4p$
82. A is the mother of B. B is the sister of C. D is the son of C. E is the brother of D. F is the mother of E. G is the granddaughter of A. H has only two children - B and C. How is C related to E?
- (A) Father (B) Son (C) Mother (D) Cousin
83. Seema, Arpita, Garima, Riya, and Teena are sitting in a row facing north. Garima and Arpita are seated together. Teena occupies the left end of the row. Additionally, Garima is seated just to the right of Seema and is positioned to the right of only two people. Based on this arrangement, who is sitting second to the right of Garima?
- (A) Riya (B) Teena (C) Arpita (D) Seema
84. Six people—W, X, Y, Z, T, and U—each have different ages. W is 40 years old. Y's age is one-fourth that of T, while Z's age is four times that of U. T is five times as old as Z. W is twice as old as Y. Additionally, U's age is one-third that of X. What is the age of X?
- (A) 24 (B) 15 (C) 12 (D) 18
85. Three Statements followed by two Conclusions are given below. You have to take the Statements to be true even if they seem to be at variance from the commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows/follow the Statements, disregarding the commonly known facts.
- Statement-1:** Some Pens are White.
Statement-2: All Book are Copy.
Statement-3: Some Copy are Pen.
Conclusion-I. Some White being Book is a possibility.
Conclusion-II. No Book is Pen.
 Which of the above conclusions is/are correct?
- (A) Only Conclusion-I
 (B) Both Conclusion-I and Conclusion-II
 (C) Neither Conclusion-I nor Conclusion-II
 (D) Only Conclusion-II
86. 10 men can do a piece of work in 4 days, 6 women can do it in 5 days, and 12 children can do it in 5 days too. In how many days can 5 men, 10 women and 5 children together complete the same piece of work?
- (A) 42/13 days (B) 32/13 days
 (C) 24/13 days (D) 13/24 days

87. Three Statements followed by two Conclusions are given below. You have to take the Statements to be true even if they seem to be at variance from the commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows/follow the Statements, disregarding the commonly known facts.

Statement-1: Each Key is Lock.

Statement-2: No Door is Key.

Statement-3: All Door is White.

Conclusion-I. Some White can be Lock.

Conclusion-II. All Lock can never be Door.

Which of the above conclusions is/are correct?

- (A) None follows
(B) Both **Conclusion-I** and **Conclusion-II** follow
(C) Only **Conclusion-I** follows
(D) Only **Conclusion-II** follow
88. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
Community, Public, Against, Attention, Audience,?
(A) Magazine (B) College (C) Difficult (D) Hospital
89. In a society, election for the post of RWA president was organized, in which only two candidates contested for the post of President. The winner got 60% of the valid votes and the loser lost by 3600 votes. Which of the following statements is *false*, if 10% of the total votes casted were declared invalid?
(A) The winner got more than 10000 votes.
(B) The loser did not get more than 7500 votes.
(C) The winner got more than twice the number of votes that the loser got.
(D) None of the above

PASSAGE 1 : Contains 2 question

Aerosols in the atmosphere can affect climate. Aerosols are microscopic particles that are so small that instead of quickly falling to the surface like larger particles, they remain suspended in the air for days to weeks. Human activities, such as burning fossil fuels and biomass, contribute to emissions of these substances, although some aerosols also come from natural sources such as volcanoes and marine plankton. Unlike greenhouse gases, the climate effects of aerosols vary depending on what they are made of and where they are emitted. Depending on their colour and other factors, aerosols can either absorb or reflect sunlight. Aerosols that reflect sunlight, such as particles from volcanic eruptions or sulfur emissions from burning coal have a cooling effect. Those that absorb sunlight, such as black carbon, have a warming effect. Not only can black carbon directly absorb incoming and reflected sunlight, but it can also absorb infrared radiation.

90. What is the main idea of the passage?
(A) Aerosols mainly affect air quality and visibility, not global climate.
(B) Aerosols have a cooling effect on the climate as they reflect sunlight.
(C) Aerosols have a complex impact on climate depending on their composition and source.
(D) Black carbon aerosols contribute to warming by absorbing both solar radiation and infrared radiation.

91. Based on the above passage, the following assumptions have been made:

1. Black carbon's warming effect is offset by the cooling effects of other aerosol types.
2. Human activities contribute to aerosols, making them a manageable climate factor to some extent.

Which of the assumptions given above is/are correct?

- (A) 1 only (B) 2 only (C) Both 1 and 2 (D) Neither 1 nor 2

PASSAGE 2: Contains 2 question

The Delhi Sultans (rulers) provided patronage to the scholars of Unani System and even enrolled some as state employees and court physicians. The system suffered a severe setback during the British rule in India. The allopathic system was introduced and gained ground. This retarded the growth of education, research and practice of Unani system of medicine. All the traditional systems of medicine along with the Unani System faced almost complete neglect for about two centuries.

The withdrawal of State Patronage could not harm much as the masses reposed faith in this system and it continued to be practiced. It was mainly the Sharifi family in Delhi, the Azizi family in Lucknow and the Nizam of Hyderabad due to whose efforts Unani Medicine survived during the British period.

After independence the Unani System along with other Indian systems of medicine received a fresh boost under the patronage of the National Government and its people. The Government of India took several steps for the all-round development of this system. It passed laws to regulate and promote its education and training.

92. What according to the passage had led to the survival of Unani system of medicine in India after the 17th century?

- (A) The state patronage during British rule.
- (B) Faith of masses in traditional systems of medicine.
- (C) Ability of Unani medicines in containing the outbreak of Yellow fever and Cholera during 18th century.
- (D) Efficacy of Unani medicines over the Allopathic system.

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

1. There is no treatment for an emergency condition in Unani such as an accident or heart attack.
2. Research on Unani medicine is extremely limited and has mostly been done on animals, not humans.

Which of the above assumption(s) is/are valid?

- (A) 1 only (B) 2 only (C) Both 1 and 2 (D) Neither 1 nor 2

94. Three friends R, S and T shares toffee from a bowl. R took $\frac{1}{3}$ rd of the toffees but returned 4 to the bowl. S took $\frac{1}{4}$ th of what was left but returned 3 toffees to the bowl. T took half of the remainder but returned 2 back into the bowl. If the bowl had 17 toffees left, how many toffees were originally there in the bowl?

- (A) 38 (B) 31 (C) 48 (D) 41

95. If a number $468X9Y$ is divisible by 11 as well as 12, then consider the following statements
1. For $X=0$; $Y=6$ the condition holds true.
 2. For $X=9$; $Y=2$ the condition holds true.
 3. for $X=9$; $Y=6$ the condition holds true.

Select the correct options

- (A) Only one statement is correct. (B) Only two statements are correct.
(C) All three statements are correct. (D) None of the statements are correct.
96. P and Q are two positive three-digit integers having the same digits but in the reverse order. Which of the following CANNOT be the difference between the following integers?
(A) 198 (B) 297 (C) 495 (D) 729
97. What is the unit digit of the expression $27^{7!} + 28^{8!}$
(A) 1 (B) 3 (C) 7 (D) 9
98. Find the next term in the following series
32, 37, 47, 58, 71,?
(A) 80 (B) 79 (C) 77 (D) 73
99. A cow takes 5 leaps for every 4 leaps of a goat, but 3 leaps of the goat are equal to 4 leaps of the cow. What is the ratio of the speed of the cow to that of the goat?
(A) 11:15 (B) 15:11 (C) 16:15 (D) 15:16
100. A certain number of chocolates were in a bag and were to be distributed among 6 children. Now, consider the following statements

Statement I: The second child got 5 chocolates.

Statement II: Every child got 3 more chocolates than the previous child.

How many chocolates were there in a bag?

Select the correct options from the following statements: -

- (A) Statement I alone is sufficient to answer the question.
(B) Statement II alone is sufficient to answer the question.
(C) Both the statements are required to answer the question.
(D) The question cannot be answered even after using both the statements.

Rough Work