Question Booklet Code	FREE MOCK 003	Paper-I	Question Booklet No.
A	Roll No.		

Time Allowed : 10:00 a.m. to 12:00 noon (2 Hours) **Total Marks : 100**
(1 mark for each question)

Before filling the OMR Answer-Sheet, the candidate must ensure that all the pages from 1-15 are printed in order in the Question Booklet and ensure that the OMR Answer-Sheet belongs to him/her only. In case of any discrepancy, immediately inform the Invigilator to replace your Question Booklet/OMR Answer-Sheet.

IMPORTANT INSTRUCTIONS

- **Do not open the Question Booklet before 10:00 a.m. in the Examination Hall.**
- **Read the questions carefully before marking the right answer with blue/black ballpoint pen only in the appropriate circle of the OMR Answer-Sheet, as firstly there is provision of negative marking of ½ mark per question for wrong answer, and secondly no extra OMR Answer-Sheet will be provided for any mistake or correction.**
- **In cases where candidate selects more than one option of a question, the question will not be evaluated.**
- **In case of use of Non-Standard OMR Answer-Sheet, the candidate must properly write his/her Roll No., Question Booklet Serial No., Question Booklet Code in the space provided in the OMR Answer-Sheet by shading and by writing in alphabet and numerical on the front page as well as on the back page. Otherwise the OMR Answer-Sheet will not be evaluated.**
- Candidates will have to sign twice, once in the Photo Attendance Sheet presented by the Invigilator on duty after taking their seats in the Examination Hall, and the other, at the time of handing over their **OMR Answer-Sheet** to the Invigilator after the completion of the Examination. Cases where a candidate has not signed while submitting the **OMR Answer-Sheet**, he/she shall be treated as absent.
- Candidate should clearly write his/her Roll No. in the space provided in the Question Booklet.
- **The candidate should make sure that the Question Booklet No. and corresponding Question Booklet Code is properly written/shaded in the OMR Answer-Sheet by him/her. For example, in filling up the Question Booklet Code, if the candidate gets Question Booklet Code A, then he/she should fill up A in the box provided in the OMR Answer-Sheet and also shade the circle A in the OMR Answer-Sheet.**
- Candidate should do all the necessary rough work on the Question Booklet in the space provided. Rough work should not be done on the OMR Answer-Sheet or on any other paper. If any rough work or overwriting is done or whitener is used on the OMR Answer-Sheet, the OMR Answer-Sheet will not be assessed.
- **In case of any discrepancy or confusion in the medium/version of the questions, the English version will be treated as the authentic version.**
- No candidate will be allowed to leave the Examination Centre during the examination hours.
- Any candidate found using unfair means including carrying restricted items like mobile phone, calculator or any electronic gadget or objectionable materials, etc., which are not allowed in the examination halls/rooms shall be disqualified.

All 100 questions carry 1 mark each.

1. Which Ahom ruler shifted the royal capital from Gargaon to Rangpur?

(A) Gadadhar Singha (B) Lakshmi Singha (C) Siva Singha (D) Rudra Singha

2. Sir Stafford Cripps came to India with constitutional proposals during the Second World War in

(A) 1946 (B) 1942 (C) 1939 (D) 1935

3. The book Hind Swaraj was written by

(A) Jawaharlal Nehru (B) Bal Gangadhar Tilak
(C) Mahatma Gandhi (D) Dadabhai Naoroji

4. Which place in upper Assam is associated with the first British commercial tea plantation established in 1837?

(A) Hajo (B) Chabua (C) Barpeta (D) Sualkuchi

5. Which Ahom ruler established the capital at Gargaon and is also known as Garhgonya Raja?

(A) Suklenmung (B) Sukaphaa (C) Sukhampha (D) Pratap Singha

6. Who founded the Arya Samaj in 1875?

(A) Swami Vivekananda (B) Debendranath Tagore
(C) Raja Rammohan Roy (D) Swami Dayanand Saraswati

7. The present brick structure of Kareng Ghar at Garhgaon is associated with which Ahom king?

(A) Sukaphaa (B) Chakradhwaj Singha
(C) Purandar Singha (D) Rajeswar Singha

8. The Satyashodhak Samaj, founded in 1873, is associated with

(A) Jyotirao Phule (B) Ishwar Chandra Vidyasagar
(C) Swami Vivekananda (D) Keshab Chandra Sen

9. The Kakori train action associated with Indian revolutionaries took place in

(A) 1919 (B) 1931 (C) 1925 (D) 1922

10. Kushal Konwar was executed by the British at Jorhat in which year?

(A) 1943 (B) 1930 (C) 1945 (D) 1942

11. In the Mughal administrative system, a 'mansab' primarily denoted an officer's

(A) rank and status
(B) religious denomination
(C) place of birth
(D) hereditary village ownership

12. In the traditional Ahom paik organisation, a 'got' initially consisted of how many paiks?

(A) Ten (B) Two (C) Six (D) Four

13. Hampi was the capital of which empire?

(A) Vijayanagara (B) Chola (C) Gupta (D) Satavahana

14. Where is Chandrakanta Handique Bhawan, the headquarters of the Asam Sahitya Sabha, located?

(A) Nagaon (B) Dibrugarh (C) Tezpur (D) Jorhat

15. Under the Ryotwari land-revenue system, the government's revenue settlement was made directly with the

(A) village community as a whole
(B) provincial military commander
(C) individual cultivator
(D) hereditary zamindar alone

16. Most of Ashoka's inscriptions in the Indian subcontinent were composed in which language?

(A) Tamil (B) Prakrit (C) Classical Sanskrit (D) Persian

17. The first phase of the Moamoria rebellion in 1769 began during the reign of

(A) Rudra Singha (B) Pramatta Singha (C) Gadadhar Singha (D) Lakshmi Singha

18. The Aligarh movement and the Muhammadan Anglo-Oriental College are closely associated with

(A) Muhammad Ali Jauhar
(B) Maulana Abul Kalam Azad
(C) Badruddin Tyabji
(D) Sir Syed Ahmad Khan

19. The Aihole inscription praising the Chalukya ruler Pulakeshin II was composed by

(A) Kalidasa (B) Dandin (C) Ravikirti (D) Bilhana

20. Rani Gaidinliu is especially associated with resistance to British rule among the

(A) Bhil people (B) Munda people (C) Naga people (D) Santhal people

21. The Asom Chatra Sanmilan was established in which year?

(A) 1916 (B) 1921 (C) 1903 (D) 1917

22. Which Ahom king was popularly known as Khora Raja?

(A) Sukhampha (B) Rudra Singha (C) Suklenmung (D) Pratap Singha

23. Who commanded the Rani of Jhansi Regiment of the Indian National Army?

(A) Aruna Asaf Ali (B) Sucheta Kripalani (C) Lakshmi Sahgal (D) Sarojini Naidu

24. Which feature of the Simon Commission led to widespread protests in India?

(A) It consisted entirely of Indian judges.

(B) It had no Indian member.

(C) It abolished provincial legislatures.

(D) It proposed immediate universal adult franchise.

25. Gosain Kamal Ali, a historic road of the Koch kingdom, is associated with Gosain Kamal, a brother of

(A) Naranarayan (B) Pratap Singha (C) Rudra Singha (D) Bhaskaravarman

26. The Harappan city of Dholavira is located in which present-day state?

(A) Punjab (B) Haryana (C) Gujarat (D) Rajasthan

27. The Assamese prose work Katha Gita is associated with

(A) Hemchandra Goswami (B) Chandra Kumar Agarwala

(C) Madhavdeva (D) Bhattadeva

28. The Assamese one-act devotional plays known as Ankiya Naat were pioneered by

(A) Srimanta Sankardev (B) Lakshminath Bezbaroa

(C) Bhattadeva (D) Hem Saraswati

29. The Sanskrit historical chronicle Rajatarangini was composed by

(A) Kalhana (B) Ravikirti (C) Harisena (D) Banabhatta

30. The sixteenth-century ruler particularly associated with rebuilding and extending the Grand Trunk Road was

(A) Ibrahim Lodi (B) Bahadur Shah I (C) Sher Shah Suri (D) Jahangir

31. The Bogibeel rail-cum-road bridge connects the Dibrugarh and Dhemaji sides across which river?

(A) Barak (B) Dhansiri (C) Brahmaputra (D) Lohit

32. Which gas turns clear limewater milky when passed through it in a small amount?

(A) Nitrogen (B) Carbon dioxide (C) Oxygen (D) Hydrogen

33. Sualkuchi in Assam is particularly associated with which traditional industry?

(A) Silk weaving (B) Bell-metal casting
(C) Petroleum refining (D) Shipbuilding

34. Dehing Patkai was notified as a national park in which year?

(A) 2024 (B) 2021 (C) 2016 (D) 2004

35. Srimanta Sankaradeva Kalakshetra, a major cultural institution, is situated in

(A) Dhubri (B) Silchar (C) Jorhat (D) Guwahati

36. The international convention on wetlands adopted in 1971 takes its name from Ramsar, a city in

(A) Nepal (B) Kenya (C) Egypt (D) Iran

37. The President may establish an Inter-State Council under which Article of the Constitution?

(A) Article 356 (B) Article 263 (C) Article 312 (D) Article 280

38. To measure the potential difference across a resistor, a voltmeter should be connected

(A) in parallel with the resistor (B) only across the switch in an open circuit
(C) in series with the resistor (D) in place of the connecting wires

39. India's Aditya-L1 mission is primarily intended to study the

(A) Sun (B) Venus (C) Moon (D) Mars

40. Me-Dam-Me-Phi, observed by the Ahom community in honour of ancestors, is celebrated on

(A) 24 November (B) 14 April (C) 2 December (D) 31 January

41. Raimona National Park is located in which district of Assam?

(A) Sonitpur (B) Tinsukia (C) Golaghat (D) Kokrajhar

42. Who certifies whether a Bill is a Money Bill for the purposes of Article 110?

(A) Comptroller and Auditor General (B) Chief Justice of India
(C) Speaker of the Lok Sabha (D) Chairman of the Rajya Sabha

43. The Finance Commission of India is constituted under

(A) Article 324 (B) Article 148 (C) Article 368 (D) Article 280

44. Who became the youngest undisputed World Chess Champion in the classical format in December 2024?

(A) Arjun Erigaisi (B) R. Praggnanandhaa
(C) Vidit Gujrathi (D) D. Gukesh

45. Which pancreatic hormone lowers the concentration of glucose in the blood?

(A) Adrenaline (B) Insulin (C) Thyroxine (D) Glucagon

46. In standard computer terminology, one byte contains

(A) 32 bits (B) 8 bits (C) 4 bits (D) 16 bits

47. The SI unit of electric charge is the

(A) coulomb (B) ampere (C) ohm (D) volt

48. Which orchid is recognised as the state flower of Assam?

(A) Lady's slipper orchid (B) Kopou phool
(C) Vanilla orchid (D) Blue vanda

49. Which structure is absent in a mature human red blood cell?

(A) Cell membrane (B) Haemoglobin (C) Cytoplasm (D) Nucleus

50. The atomic number of an element equals the number of

(A) neutrons in its nucleus (B) protons in its nucleus
(C) electron shells in its atom (D) protons and neutrons together

51. The Moidams inscribed on the UNESCO World Heritage List in 2024 represent the burial system of which dynasty?

(A) Varman (B) Koch (C) Ahom (D) Khen

52. The stratospheric ozone layer helps protect life mainly by absorbing

(A) audible sound (B) visible green light
(C) ultraviolet radiation (D) radio waves

53. The Sangeet Natak Akademi recognised Sattriya as a classical dance form in

(A) 2010 (B) 2000 (C) 1975 (D) 1956

54. India observes National Space Day on 23 August to commemorate the

(A) first Indian human spaceflight (B) launch of Aryabhata

(C) successful soft landing of Chandrayaan-3 (D) launch of Mangalyaan

55. The Nobel Prize in Literature for 2024 was awarded to

(A) Annie Ernaux (B) Jon Fosse

(C) Han Kang (D) Abdulrazak Gurnah

Read the following passage and answer Questions 56-61.

When a town introduced a new morning bus service, the transport committee expected passenger numbers to rise quickly. The route linked a busy residential area with the market and the railway station. Yet during the first month, many seats remained empty. Some committee members concluded that residents preferred private vehicles and suggested cancelling the service before it lost more money.

A college student who used the bus questioned that conclusion. She had noticed that several passengers reached the railway station just after their trains had left. Others said they could not tell whether the bus would arrive at the time printed on the noticeboard. The route itself was useful, the student argued, but usefulness on a map did not guarantee usefulness in daily life.

The committee agreed to a short review before making a final decision. Volunteers recorded arrival times for two weeks and asked residents why they did or did not use the service. The records showed that the bus was usually delayed at a narrow market entrance, where delivery vehicles stopped in the morning. Interviews also revealed that the first departure was too late for workers taking an early train. These findings did not prove that every resident would become a passenger, but they identified problems that could be tested and corrected.

The timetable was adjusted, and the market association agreed to keep the entrance clear during the bus's morning journey. Instead of promising perfect punctuality, the committee published departure times that the operator could realistically maintain. A telephone number was displayed for reporting missed trips. For the next month, volunteers continued to collect the same information so that the results could be compared fairly.

Passenger numbers gradually increased, though the service was still not full. The committee retained it and planned another review after the school term began. The student warned against declaring complete success too soon. A rise in use was encouraging, but weather, holidays and school schedules could also influence demand. The important change was that the committee had begun treating complaints and observations as evidence rather than as obstacles to a decision. Listening did not remove the need for judgement; it helped judgement become better informed.

56. In the third paragraph, 'identified' most nearly means

(A) recognised and established
(B) concealed from view
(C) dismissed as irrelevant
(D) invented without evidence

57. Why did the student advise against declaring complete success immediately?

(A) Other changing conditions could also affect demand.
(B) The committee had stopped collecting information.
(C) The service had already been cancelled.
(D) The bus had become less punctual after the review.

58. What did some committee members initially assume from the low passenger numbers?

(A) The route did not reach the railway station.
(B) Residents wanted the fares to be doubled.
(C) The bus was always full on its return trip.
(D) Residents preferred private vehicles.

59. What was the main purpose of collecting the same information after the changes?

(A) To replace all judgement with a fixed formula.
(B) To guarantee that passenger numbers would double.
(C) To allow a fair comparison of results.
(D) To avoid speaking to passengers again.

60. Which lesson is most strongly supported by the committee's experience?

(A) Evidence from users can improve decisions, but continuing review remains useful.
(B) A transport route is successful whenever it looks useful on a map.
(C) Complaints should be ignored once a timetable has been printed.
(D) A service with empty seats should always be cancelled immediately.

61. Why did the student question the proposal to cancel the service?

(A) She had proved that every resident would use it.
(B) Practical timing problems might explain the low use.
(C) She believed the service should never be reviewed.
(D) She wanted the bus to stop visiting the market.

62. The price of a commodity rises by 20%. A household increases its expenditure on the commodity by only 8%. By what percentage must its consumption fall?

(A) 10% (B) 15% (C) 8% (D) 12%

63. Find the volume of a right circular cone of radius 7 cm and height 12 cm. Use $\pi = \frac{22}{7}$.

(A) 308 cm^3 (B) 924 cm^3 (C) 616 cm^3 (D) 1,848 cm^3

64. Ravi points to a girl and says, 'Her mother's only brother is my father.' How is Ravi related to the girl?

(A) Uncle (B) Cousin (C) Brother (D) Nephew

65. In the word EDUCATION, how many pairs of letters have as many letters between them in the word as in the English alphabet? Count both forward and backward alphabetical order.

(A) 4 (B) 5 (C) 3 (D) 6

66. Five people P, Q, R, S and T attend interviews on different days from Monday to Friday. Q attends on Wednesday. P attends before Q, and T attends on the day immediately after P. R attends after S. Who attends on Friday?

(A) P (B) T (C) R (D) S

67. In a certain code, + means ÷, − means ×, × means +, and ÷ means −. Replace the signs by their meanings and use the usual order of operations to evaluate:
18 + 3 − 4 × 5 ÷ 2

(A) 31 (B) 25 (C) 29 (D) 27

68. A two-digit number equals four times the sum of its digits. Adding 18 to the number reverses its digits. Find the original number.

(A) 42 (B) 48 (C) 36 (D) 24

69. Find the missing term in the series:
5, 9, 18, 34, 59, ?

(A) 89 (B) 99 (C) 95 (D) 84

70. Select the pair with the same relationship as 'thermometer : temperature'.

(A) Speedometer : distance travelled (B) Voltmeter : electric current
(C) Barometer : atmospheric pressure (D) Ammeter : electrical resistance

71. If $a + b = 11$ and $a - b = 3$, find $a^3 - b^3$.

(A) 279 (B) 343 (C) 189 (D) 407

72. How many integers lie strictly between $\sqrt{200}$ and $\sqrt{500}$?

(A) 7 (B) 8 (C) 10 (D) 9

73. A semicircular park has a diameter of 28 m. What length of fencing is needed for its entire boundary, including the straight diameter? Use $\pi = \frac{22}{7}$.

(A) 44 m (B) 72 m (C) 56 m (D) 88 m

74. If 15 August 2028 is a Tuesday, what day of the week will 15 August 2029 be?

(A) Wednesday (B) Tuesday (C) Friday (D) Thursday

75. Simplify: $(2 + \frac{1}{3}) \div (1 + \frac{3}{4}) - \frac{2}{3}$.

(A) $\frac{4}{3}$ (B) $\frac{2}{3}$ (C) $\frac{5}{6}$ (D) $\frac{7}{12}$

76. A person facing northeast turns 90° clockwise and then 45° anticlockwise. In which direction does the person finally face?

(A) South (B) North (C) East (D) Southeast

77. Six men or nine women can complete a job in 12 days. How many days will four men and six women working together take, if each person works at the stated constant rate?

(A) 12 days (B) 10 days (C) 8 days (D) 9 days

78. Find the smallest four-digit number that is divisible by 18 and leaves a remainder of 5 when divided by 7.

(A) 1,062 (B) 1,026 (C) 1,044 (D) 1,080

79. A refrigerator has a marked price of Rs. 7,200. A shop gives a discount of 15% and then charges 5% tax on the discounted price. What is the final amount payable?

(A) Rs. 6,480 (B) Rs. 6,840 (C) Rs. 6,426 (D) Rs. 6,120

80. A clock strikes six times at 6 o'clock. The time from the first strike to the last is 10 seconds. If successive strikes are equally spaced, how long will it take from the first to the last of its twelve strikes at noon?

(A) 24 seconds (B) 22 seconds (C) 26 seconds (D) 20 seconds

81. In a code, each letter is replaced by the letter in the corresponding position from the other end of the alphabet, so that A becomes Z and B becomes Y. How is MANGO coded?

(A) MZNTL (B) NZMTL (C) OZMTL (D) NZMGL

82. Nandita is married to Arun. Arun's brother Bikash has a daughter named Mili. How is Nandita related to Mili?

(A) Mother's sister (B) Sister-in-law

(C) Maternal grandmother (D) Paternal aunt by marriage

83. A motorist covers 60 km at 30 km/h and returns over the same distance at 45 km/h. What is the average speed for the entire journey?

(A) 37.5 km/h (B) 36 km/h (C) 35 km/h (D) 40 km/h

84. Among 72 club members, 42 play badminton and 38 play table tennis. Eighteen play both games. How many play exactly one of the two games?

(A) 44 (B) 36 (C) 54 (D) 62

85. A right-angled triangle has a hypotenuse of 25 cm and one perpendicular side of 7 cm. What is its area?

(A) 87.5 cm^2 (B) 96 cm^2 (C) 84 cm^2 (D) 168 cm^2

86. Two numbers are in the ratio 3 : 5. When 12 is added to each, their ratio becomes 5 : 7. What is the sum of the original numbers?

(A) 56 (B) 40 (C) 64 (D) 48

87. A vessel initially contains 60 litres of pure milk. Twelve litres are removed and replaced with water. The mixture is stirred, and 12 litres are again removed and replaced with water. How much water is now in the vessel?

(A) 24 litres (B) 26.4 litres (C) 21.6 litres (D) 19.2 litres

88. The letters in each pair follow a pattern. Complete the series:
AZ, BY, CX, DW, ?

(A) EU (B) EV (C) EX (D) FU

89. Pipe A can fill a tank in 4 hours and pipe B in 6 hours. Starting with A, they are opened alternately for one hour at a time, with only one pipe open at any moment. How long will the empty tank take to fill?

(A) 5 hours (B) 4 hours 30 minutes

(C) 5 hours 20 minutes (D) 4 hours 40 minutes

90. Simplify: $\sqrt{180} - \sqrt{80} + \sqrt{45}$.

(A) $5\sqrt{5}$ (B) $5\sqrt{3}$ (C) $3\sqrt{5}$ (D) $7\sqrt{5}$

91. Two trains of lengths 90 m and 150 m travel in opposite directions at 54 km/h and 36 km/h. How long do they take to cross each other completely?

(A) 16 seconds (B) 12 seconds (C) 9.6 seconds (D) 8 seconds

92. Six teams take part in a tournament. Every team plays every other team twice, once at home and once away. How many matches are played in all?

(A) 60 (B) 36 (C) 15 (D) 30

93. Complete the number analogy using the same rule in each pair:
7 : 56 :: 11 : 132 :: 13 : ?

(A) 156 (B) 182 (C) 169 (D) 196

94. Ropes of lengths 156 m and 204 m are cut into pieces of the same greatest possible length, with nothing left over. How many pieces are obtained altogether?

(A) 28 (B) 24 (C) 34 (D) 30

95. A mother was 26 years old when her daughter was born. Six years ago, the mother was three times as old as her daughter. What is the mother's present age?

(A) 45 years (B) 39 years (C) 42 years (D) 48 years

96. What is the remainder when 3^{37} is divided by 10?

(A) 7 (B) 9 (C) 3 (D) 1

97. In a class of 40 students, A is 12th from the top and B is 9th from the bottom. How many students are between A and B in the ranking, if no two students share a rank?

(A) 21 (B) 19 (C) 18 (D) 20

98. A class has an average score of 40. Five new students, whose average score is 60, join the class, raising its overall average to 42. How many students were in the class originally?

(A) 50 (B) 55 (C) 40 (D) 45

99. A school is 3 km north of a railway station. A market is 4 km east of the school. What are the shortest distance and direction of the station from the market?

(A) 5 km, northeast (B) 5 km, southwest (C) 7 km, southwest (D) 4 km, west

100. At 10% per annum, the compound interest on a sum for 2 years exceeds the simple interest for the same period by Rs. 80. If interest is compounded annually, find the principal.

(A) Rs. 8,000 (B) Rs. 6,000 (C) Rs. 10,000 (D) Rs. 4,000

- End of Questions -

T.A.G. ACADEMY
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SPACE FOR ROUGH WORK

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