Question Booklet Code	FREE MOCK 005	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. The original brick core of the Great Stupa at Sanchi is traditionally associated with

(A) Kanishka (B) Chandragupta II (C) Ashoka (D) Harshavardhana

2. The historic Namdang stone bridge near Sivasagar was constructed during the reign of

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

3. The 1928 meeting at which the Hindustan Socialist Republican Association took shape was held at

(A) Jallianwala Bagh, Amritsar (B) Feroz Shah Kotla, Delhi
(C) Alfred Park, Allahabad (D) Gowalia Tank, Bombay

4. The Ahom capital was shifted from Rangpur to Jorhat during the reign of

(A) Pramatta Singha (B) Suhungmung (C) Gaurinath Singha (D) Rudra Singha

5. Who wrote the Assamese novel Mrityunjay?

(A) Saurav Kumar Chaliha (B) Homen Borgohain
(C) Nabakanta Barua (D) Birendra Kumar Bhattacharyya

6. The Assamese novel Bhanumati was written by

(A) Rajanikanta Bordoloi (B) Birendra Kumar Bhattacharyya
(C) Padmanath Gohain Baruah (D) Lakshminath Bezbaroa

7. The Assamese novel Miri Jiyori is associated with

(A) Padmanath Gohain Baruah (B) Rajanikanta Bordoloi
(C) Hemchandra Barua (D) Chandra Kumar Agarwala

8. The gold coins issued by the Gupta rulers are commonly called

(A) tankas (B) jitals (C) dinaras (D) dam

9. Which Ahom king ordered the construction of the Umananda Temple in Guwahati in 1694?

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

10. The Gandhara school of art is especially noted for its combination of Buddhist themes with

(A) Greco-Roman artistic influences (B) Persian miniature painting alone
(C) Gothic architecture (D) Chinese porcelain techniques

11. The Harijan Sevak Sangh was founded in 1932 at the initiative of

(A) Gopal Krishna Gokhale (B) B. R. Ambedkar
(C) Mahatma Gandhi (D) Subhas Chandra Bose

12. The Panchatantra is traditionally attributed to

(A) Kalhana (B) Bharavi (C) Vishnu Sharma (D) Banabhatta

13. The Persian translation of the Mahabharata commissioned under Akbar was called

(A) Padshahnama (B) Razmnama (C) Tuzuk-i-Jahangiri (D) Akbarnama

14. The historic road Dhodar Ali was built under which Ahom king?

(A) Gadadhar Singha (B) Kamaleswar Singha
(C) Siva Singha (D) Suklenmung

15. The Hayagriva Madhava Temple is situated at

(A) Silghat (B) Sarthebari (C) Sualkuchi (D) Hajo

16. Which Ahom king was popularly known as Bamuni Konwar?

(A) Sulikphaa (B) Suklenmung (C) Suhungmung (D) Sudangphaa

17. The partition of Bengal announced in 1905 was annulled in

(A) 1911 (B) 1919 (C) 1909 (D) 1916

18. The Ambubachi Mela is most closely associated with which temple?

(A) Sivadol (B) Mahabhairab (C) Kamakhya (D) Umananda

19. The foundation of the city of Amritsar is associated with which Sikh Guru?

(A) Guru Hargobind (B) Guru Ram Das
(C) Guru Arjan Dev (D) Guru Tegh Bahadur

20. The Young Bengal movement is especially associated with

(A) Ishwar Chandra Vidyasagar (B) Debendranath Tagore
(C) Keshab Chandra Sen (D) Henry Vivian Derozio

21. The offices of Borbarua and Borphukan were created during the reign of

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

22. Babur's memoirs, known as the Baburnama, were originally written in

(A) Arabic (B) Chagatai Turkish (C) Sanskrit (D) Persian

23. The first session of the Indian National Congress in 1885 was held in

(A) Poona (B) Bombay (C) Madras (D) Calcutta

24. Assamese: Its Formation and Development is a major linguistic work by

(A) Anandaram Barua (B) Birinchi Kumar Barua
(C) Banikanta Kakati (D) Hemchandra Goswami

25. The carved stone doorway at Da Parbatia near Tezpur displays the influence of which school of sculpture?

(A) Hoysala (B) Gupta (C) Gandhara (D) Chola

26. India's first general elections were conducted during

(A) 1947-1948 (B) 1951-1952 (C) 1953-1954 (D) 1949-1950

27. The rock-cut Kailasa Temple at Ellora is generally attributed to which Rashtrakuta ruler?

(A) Amoghavarsha I (B) Govinda III (C) Dantidurga (D) Krishna I

28. Which Gupta ruler is traditionally associated with the establishment of Nalanda as a major Buddhist monastic centre?

(A) Samudragupta (B) Kumaragupta I (C) Skandagupta (D) Chandragupta I

29. The revolutionary memoir Bandi Jivan was written by

(A) Sachindranath Sanyal (B) Surya Sen
(C) Ram Prasad Bismil (D) Jatin Das

30. The famous Chishti shrine at Ajmer is associated with

(A) Baba Farid (B) Salim Chishti
(C) Khwaja Moinuddin Chishti (D) Nizamuddin Auliya

31. How many medals did India win in total at the Paris 2024 Olympic Games?

(A) 5 (B) 6 (C) 7 (D) 8

32. Orang National Park is located on which bank of the Brahmaputra?

(A) Neither bank; it is in the Barak Valley (B) North bank
(C) Both banks equally (D) South bank

33. Son Beel is located in which district of Assam?

(A) Hailakandi (B) Cachar
(C) Dima Hasao (D) Sribhumi, formerly Karimganj

34. The Kolong River flowing through Nagaon is a distributary of the

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

35. The National Human Rights Commission of India was established under the

(A) Representation of the People Act, 1951 (B) Right to Information Act, 2005
(C) Legal Services Authorities Act, 1987 (D) Protection of Human Rights Act, 1993

36. With the successful SpaDeX docking in January 2025, India became which country to demonstrate space-docking capability?

(A) Fourth (B) Third (C) Second (D) Fifth

37. Who is the ex officio Chairman of the Rajya Sabha?

(A) President of India (B) Vice-President of India
(C) Speaker of the Lok Sabha (D) Prime Minister of India

38. The Governor of an Indian state is appointed by the

(A) Speaker of the Legislative Assembly (B) Chief Minister of the state
(C) President of India (D) Chief Justice of India

39. Chomangkan, a ceremony honouring the dead, is associated with the

(A) Karbi community (B) Tiwa community
(C) Bodo community (D) Mishing community

40. The Sun produces most of its energy through

(A) nuclear fission of uranium (B) chemical oxidation of hydrogen
(C) combustion of coal (D) nuclear fusion

41. A convex mirror is used as a rear-view mirror mainly because it

(A) provides a wide field of view

(B) shows only objects directly behind its centre

(C) focuses all parallel light at a point in front of it

(D) always forms a magnified real image

42. The theme of India's G20 presidency in 2023 was

(A) Building a Just World and a Sustainable Planet

(B) Recover Together, Recover Stronger

(C) People, Planet, Prosperity

(D) One Earth, One Family, One Future

43. In computer-network security, a firewall is primarily used to

(A) compress every file automatically

(B) increase a monitor's brightness

(C) convert printed pages into images

(D) control incoming and outgoing network traffic according to security rules

44. The semicircular canals of the inner ear are particularly concerned with

(A) balance and detection of rotational movement

(B) production of saliva

(C) filtration of blood

(D) recognition of colour

45. In a simple series electric circuit, which quantity is the same through every component?

(A) Current

(B) Resistance of each component

(C) Power used by each component

(D) Potential difference across each component

46. Bagurumba is a folk dance especially associated with the

(A) Rabha community (B) Bodo community

(C) Mishing community (D) Karbi community

47. Bronze is principally an alloy of

(A) copper and zinc (B) copper and tin (C) lead and mercury (D) iron and carbon

48. Who captained India to victory in the ICC Men's T20 World Cup in 2024?

(A) Suryakumar Yadav (B) Virat Kohli
(C) Rohit Sharma (D) Hardik Pandya

49. Which pair shared part of the 2024 Nobel Prize in Chemistry for protein-structure prediction?

(A) John Hopfield and Geoffrey Hinton (B) Katalin Kariko and Drew Weissman
(C) Demis Hassabis and John Jumper (D) Pierre Agostini and Ferenc Krausz

50. Busu Dima is a harvest festival of the

(A) Ahom community (B) Dimasa community
(C) Deori community (D) Khamti community

51. Ibaku Bisu is a spring festival of which community of Assam?

(A) Rabha (B) Karbi (C) Dimasa (D) Deori

52. The International Day for Biological Diversity is observed on

(A) 5 June (B) 22 April (C) 16 September (D) 22 May

53. The Brahmaputra is known by which name along much of its course in Tibet?

(A) Mekong (B) Salween (C) Yarlung Tsangpo (D) Irrawaddy

54. Deficiency of which vitamin is classically associated with night blindness?

(A) Vitamin K (B) Vitamin C (C) Vitamin B1 (D) Vitamin A

55. Salivary amylase begins the digestion of

(A) starch (B) protein (C) fat (D) cellulose

Read the following passage and answer Questions 56-61.

When Leena returned to the town where she had spent her childhood, she brought a camera and a list of places she wanted to photograph. She had not visited for twenty years. In her memory, the town consisted of a shaded railway platform, a narrow wooden bridge and a row of shops with brightly painted shutters. She hoped that, by photographing them, she might recover something of the days she had left behind.

The platform was still there, but the large tree beside it had gone. The wooden bridge had been replaced by a wider concrete one, and two of the old shops were now classrooms. Leena felt an unexpected disappointment. She knew that twenty years was a long time, yet some part of her had expected the town to wait for her.

At the station she met Ishan, an old school friend who now worked in the booking office. He listened as she described the missing tree and the bridge. Then he asked whether she remembered how the old bridge had become slippery in the rain, and how children once crossed it holding tightly to one another. The new bridge, he said, allowed them to reach school safely even during the wet months. Leena had remembered the beauty of the scene more readily than its inconveniences.

Ishan walked with her to their former school. On a sheltered wall, they found a row of painted handprints made by their class many years before. The colours had faded, but Leena recognised the small blue print beside her own. Her fingers brushed its edge. For a moment, the place seemed familiar without needing to be unchanged in every detail.

A boy carrying a schoolbag stopped to watch them. When Leena tried to describe the old town, he listened politely and then offered to show her a footpath beside the river. It had been opened only the previous year. From there, she could see the rooftops, the station and the hills beyond. She took her first photograph of the day, not of an old landmark in isolation, but of the town as it now lay before her.

On the return train, Leena looked at the photograph and at the faded blue paint on her fingertips. The visit had not restored the past exactly as she had imagined it. Instead, it had helped her reconcile affection for what she remembered with an interest in what she had not yet known.

56. What does Ishan's account of the bridge make Leena reconsider?

(A) The town had changed only to attract visitors.

(B) The wooden bridge had been safer than the new one.

(C) The children had stopped attending school after the bridge changed.

(D) Her pleasant memories had left out some practical difficulties of the past.

57. In the final paragraph, 'reconcile' most nearly means

(A) remove from memory

(B) compare by counting

(C) bring into harmony

(D) reject as false

58. What did the boy contribute to Leena's visit?

(A) He introduced her to a worthwhile part of the present-day town that she had not known.

(B) He gave her an exact picture of the town twenty years earlier.

(C) He explained why the old tree had been cut down.

(D) He persuaded her to stop taking photographs altogether.

59. What was the effect of finding the old handprints?

(A) Leena decided that every new building should be removed.

(B) The boy decided to repaint the entire wall.

(C) Leena felt a connection with the place despite the changes around it.

(D) Ishan realised that he had attended a different school.

60. Which description best captures Leena's attitude at the end?

(A) Indifference to both old and new surroundings.

(B) Anger at everyone who had changed the town.

(C) Affection for the past combined with openness to the present.

(D) A determination never to visit the town again.

61. Why did Leena bring a camera on her return to the town?

(A) She had been employed to survey every new building.

(B) She wanted to prove that the town had never changed.

(C) She was planning to replace the school's old photographs.

(D) She hoped photographs of familiar places would help her recover a connection with her childhood.

62. A boat covers 30 km downstream in 2 hours and 18 km upstream in 3 hours. What is the boat's speed in still water, assuming constant speeds of boat and current?

(A) 15 km/h (B) 10.5 km/h (C) 9 km/h (D) 12 km/h

63. Four different roads connect A to B, and three different roads connect B to C. A traveller goes from A to C via B and returns via B, using neither of the roads taken on the outward journey. How many choices of outward and return journeys are possible?

(A) 72 (B) 48 (C) 144 (D) 36

64. Find the next letter in the series:
B, E, J, Q, ?

(A) Y (B) Z (C) X (D) W

65. Mina is 18th from the top and 23rd from the bottom in a line. Five people ahead of her leave, and three new people join behind her. How many people are now in the line?

(A) 40 (B) 41 (C) 38 (D) 37

66. Statements: All maps are charts. Some charts are posters. Which conclusion must follow?

(A) All maps are posters. (B) No chart is a map.

(C) All posters are maps. (D) Some posters are charts.

67. Select the pair showing the same relationship as 'author : novel'.

(A) Sculptor : orchestra (B) Painter : audience

(C) Composer : symphony (D) Actor : canvas

68. Complete the analogy:
8 : 27 :: 27 : 64 :: 64 : ?

(A) 125 (B) 216 (C) 100 (D) 81

69. In a relationship code, A + B means A is B's mother, and A − B means A is B's father. In P − Q + R, how is P related to R?

(A) Father (B) Paternal grandfather

(C) Maternal grandfather (D) Maternal uncle

70. Jatin's father-in-law is Nalin's father. Nalin is male, has exactly one sister, and is not Jatin's sibling. How is Nalin related to Jatin?

(A) Cousin (B) Brother-in-law (C) Father-in-law (D) Uncle

71. A positive integer divides 187 leaving remainder 7, and divides 233 leaving remainder 8. What is the greatest possible value of the integer?

(A) 45 (B) 15 (C) 60 (D) 30

72. Rs. 6,000 is invested for two years. The rate is 10% in the first year and 20% in the second, with interest compounded annually. What is the total interest earned?

(A) Rs. 1,860 (B) Rs. 1,920 (C) Rs. 1,800 (D) Rs. 2,040

73. What is the length of the longest straight rod that can fit inside a rectangular box with internal dimensions 12 cm × 9 cm × 8 cm?

(A) 20 cm (B) 15 cm (C) 18 cm (D) 17 cm

74. Which word comes second when these words are arranged in dictionary order?
FACULTY, FACTUAL, FACTORY, FACTOR

(A) FACULTY (B) FACTORY (C) FACTOR (D) FACTUAL

75. Ten years ago, P was four times as old as Q. Ten years from now, P will be twice as old as Q. What is P's present age?

(A) 50 years (B) 40 years (C) 45 years (D) 60 years

76. If tomorrow is Wednesday, what day was the day before yesterday?

(A) Monday (B) Tuesday (C) Saturday (D) Sunday

77. Pipes A and B can fill an empty tank separately in 6 hours and 10 hours. Both are opened for 2 hours, after which B is closed and A continues alone. What is the total time needed to fill the tank from the start?

(A) 5 hours 12 minutes (B) 4 hours 48 minutes
(C) 5 hours (D) 4 hours 30 minutes

78. Find the sum of the digits of the smallest positive integer which leaves a remainder of 3 when divided by each of 4, 5 and 6, but is exactly divisible by 7.

(A) 12 (B) 9 (C) 6 (D) 8

79. Evaluate: $\sqrt[3]{2197} + \sqrt{324}$.

(A) 33 (B) 35 (C) 31 (D) 29

80. What comes next in the series?
3, 6, 18, 72, 360, ?

(A) 2,160 (B) 1,800 (C) 1,440 (D) 2,520

81. Six people A, B, C, D, E and F sit around a circular table facing the centre. A is opposite D. B sits immediately to A's left. E is opposite B. C is an immediate neighbour of both B and D. Who sits second to E's right?

(A) F (B) B (C) C (D) A

82. Under the Gregorian calendar, which weekday cannot be 31 December of a year ending in 00?

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

83. The pass mark in an examination is 40% of the maximum marks. A candidate scores 198 and falls short of the pass mark by 18. What are the maximum marks?

(A) 540 (B) 500 (C) 600 (D) 520

84. In a code, LIGHT is written as UIHJM and CAMP as QNBD. Following the same rule, how is WORLD written?

(A) EMRPX (B) EMSPX (C) DLROW (D) XPSME

85. The mean of fifteen observations is 24. Each observation is doubled and then reduced by 3. What is the mean of the new observations?

(A) 51 (B) 48 (C) 42 (D) 45

86. If a : b = 2 : 3, b : c = 4 : 5, and a + b + c = 350, find c.

(A) 150 (B) 180 (C) 120 (D) 140

87. A vessel contains 50 litres of milk and water in the ratio 7 : 3. Ten litres of the well-mixed liquid are removed. How much pure milk must then be added to make the ratio of milk to water 4 : 1?

(A) 10 litres (B) 15 litres (C) 25 litres (D) 20 litres

88. A clock is 20 minutes slow at 6:00 a.m. It gains 2 minutes in every hour of actual elapsed time. At what actual time will it first show the correct time again?

(A) 4:00 p.m. (B) 5:00 p.m. (C) 3:00 p.m. (D) 2:00 p.m.

89. A trader sells $\frac{2}{5}$ of a batch of identical articles at a profit of 20% on cost and the rest at a loss of 10% on cost. What is the overall result, assuming every article has the same cost price?

(A) 4% profit (B) 2% loss (C) 4% loss (D) 2% profit

90. How many zeros occur at the end of the product 25 × 32 × 125 × 16?

(A) 6 (B) 7 (C) 4 (D) 5

91. Which fraction is exactly halfway between $\frac{5}{8}$ and $\frac{11}{12}$?

(A) $\frac{11}{16}$ (B) $\frac{37}{48}$ (C) $\frac{17}{24}$ (D) $\frac{19}{24}$

92. Find the smallest positive perfect square divisible by each of 18, 24 and 40.

(A) 1,800 (B) 7,200 (C) 360 (D) 3,600

93. Interchange the signs + and −, and also interchange the numbers 4 and 7, in the following expression. What is its new value?
18 + 4 − 7

(A) 15 (B) 21 (C) 7 (D) 25

94. If p + q = 13 and pq = 40, find $\frac{1}{p} + \frac{1}{q}$.

(A) $\frac{13}{40}$ (B) $\frac{13}{20}$ (C) $\frac{1}{40}$ (D) $\frac{40}{13}$

95. A closed cylinder has radius 4 cm and height 9 cm. What is its total surface area, including both circular ends?

(A) 88π cm^2 (B) 136π cm^2 (C) 104π cm^2 (D) 72π cm^2

96. Ten workers can finish a job in 18 days. After they have worked for 6 days, five equally efficient workers join them. In how many days from the start will the job be completed?

(A) 14 days (B) 16 days (C) 15 days (D) 12 days

97. In each triple, the third number is obtained from the first two by the same rule. Find the missing number:
(4, 7, 39), (6, 3, 27), (8, 5, ?)

(A) 48 (B) 40 (C) 54 (D) 53

98. A person walking at 4 km/h reaches an appointment 10 minutes late. Walking the same route at 5 km/h, the person would arrive 8 minutes early. How far away is the appointment?

(A) 8 km (B) 6 km (C) 7 km (D) 5 km

99. A is 10 m north of B. C is 6 m west of A, and D is 10 m south of C. Where is D in relation to B?

(A) 6 m east (B) 10 m south (C) 10 m north (D) 6 m west

100. Two angles of a triangle are in the ratio 2 : 3. If its third angle is 80°, find the smaller of the first two angles.

(A) 60° (B) 50° (C) 40° (D) 30°

- End of Questions -

T.A.G. ACADEMY

SPACE FOR ROUGH WORK

T.A.G. ACADEMY
T.A.G. ACADEMY
T.A.G. ACADEMY

SPACE FOR ROUGH WORK

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