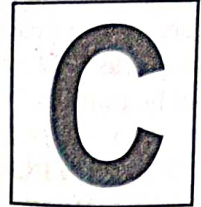


DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO.

2024

TEST BOOKLET

TEST BOOKLET SERIES



Time allowed : 1½ Hours

Full marks : 100

Answer *all* the questions.

Questions are of equal value.

Serial No. 127947

Roll No.: Signature of the Candidate: **INSTRUCTIONS**

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 12 pages including this front page, containing 100 questions. **Verify the Page Nos. and Test Booklet series on each page and bring at once to the Invigilator's notice any discrepancy.**
2. Answers will have to be given in the Special Answer-Sheet supplied for the purpose.
3. Before you proceed to mark in the Answer-Sheet in 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 in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**
4. All questions are of multiple-choice answer-type. You will find **four** probable answers (A), (B), (C) and (D) against each question. Find out which of the four answers appears to be **correct or the best**. Now darken the circle corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the Admit Card and in the Answer-Sheet.
5. One and only one circle is to be fully blackened for answer. Any spot in any other circle (multiple circle) or in wrong circle will be considered as wrong answer.
6. **There will be negative marking for wrong answer. 1 mark will be deducted for each wrong answer.**
7. **There are blank pages at the end of this Booklet for Rough Work.**
8. **The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.**

ARITHMETIC

1. A shopkeeper has 36 liters of syrup. He then mixed it with 40 liters of water. Then he poured the mixture into some cups of 350 ml each. If each cup of syrup was sold at Rs.84, then how much money would he collect?

- (A) Rs.19,200
(B) Rs.18,480
(C) Rs.18,280
(D) Rs.22,360

2. Find the average of all the odd numbers from 1 to 67.

- (A) 24
(B) 34
(C) 14
(D) 22

3. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is

- (A) 3 km/hr
(B) 5 km/hr
(C) 8 km/hr
(D) 9 km/hr

4. In an examination, 80% in English and 80% in Mathematics passed. But in both, 75% passed. If 45 students fail in both, the number of examinees is

- (A) 400
(B) 450
(C) 475
(D) 490

5. A girl calculates that the probability of her winning the first prize in a lottery is 0.08. If 6000 tickets are sold, how many tickets has she bought?

- (A) 40
(B) 240
(C) 480
(D) 750

6. C alone can do $\frac{2}{10}$ th of a work in 4 hours.

D alone can do $\frac{2}{5}$ th of the same work in 5 hours.

If they work together, then how many hours will they take to complete $\frac{13}{20}$ th of the same work?

- (A) 5 hours
(B) 7 hours
(C) 8.5 hours
(D) 6.5 hours

7. Ashis can do a work in 20 days while Ashis with the help of Ramesh can do the same work in 15 days. If they got Rs.400 for that work, then find the share of Ashis

- (A) 300
(B) 250
(C) 360
(D) 100

8. Sumi and Rahul start a business investing Rs.85,000 and Rs.15,000 respectively. In what ratio should the profit be divided between them after two years?

- (A) 3 : 4
(B) 15 : 23
(C) 17 : 23
(D) 17 : 3

9. What is the sum of the first 10 natural numbers?

- (A) 45
(B) 55
(C) 65
(D) 75

10. Income of Ramesh is Rs. 12,000 per month and that of Amit is Rs. 1,91,520 per annum. The monthly expenditure of each of them is Rs.X per month. If the ratio of their savings is 1:2, then what is their monthly expenditure?

- (A) Rs.8,400
(B) Rs.8,040
(C) Rs.9,960
(D) Rs.8,020

11. Arrange $\frac{7}{12}$, $\frac{2}{3}$ and $\frac{3}{8}$ in the ascending order.

(A) $\frac{3}{8} \leq \frac{7}{12} \leq \frac{2}{3}$

(B) $\frac{2}{3} \leq \frac{7}{12} \leq \frac{3}{8}$

(C) $\frac{7}{12} \leq \frac{2}{3} \leq \frac{3}{8}$

(D) $\frac{3}{8} \leq \frac{2}{3} \leq \frac{7}{12}$

12. The first prime number is

- (A) 1
(B) 0
(C) 2
(D) None of these

13. Arun has 13 boxes of chocolates with him, with an average of 17 chocolates per box. If each box has at least 11 chocolates and no two boxes have equal number of chocolates, then what would be the maximum possible number of chocolates in any box?

- (A) 23 (B) 25
(C) 28 (D) 30

14. By selling 12 apples for a rupee, a man loses 20%. How many for a rupee should he sell to gain 20%?

- (A) 8 (B) 9
(C) 10 (D) 11

15. A sum on money becomes 4 times in 20 years in simple interest. Find the rate of interest.

- (A) 12% (B) 15%
(C) 18% (D) 20%

16. The product of two number's is 6144 and their quotient is $\frac{8}{3}$. Find them.

- (A) 44, 124 (B) 48, 128
(C) 34, 136 (D) 52, 118

17. If the price of milk falls down by 20%, then by how much percent must a householder increase its consumption so as not to decrease his expenditure on this item?

- (A) 10% (B) 20%
(C) 25% (D) 50%

18. Find the number of zeros in $10 \times 20 \times 30 \times \dots \times 1000$

- (A) 100 (B) 124
(C) 150 (D) 135

19. A man has Rs.480 in the denominations of one rupee notes, five rupee notes and ten rupee notes. The number of each denomination is equal. What is the total number of notes that he has?

- (A) 45 (B) 75
(C) 90 (D) 120

20. If $a + b = 8$ and $ab = 15$, then what is the value of $a^3 + b^3 = \underline{\hspace{2cm}}$?

- (A) 98 (B) 152
(C) 124 (D) 260

21. If the sum of a positive number and its square is 182, then the number is

- (A) 15 (B) 14
(C) 13 (D) 16

22. A number when divided by 280 leaves 115 as remainder. When the same number is divided by 35, the remainder is

- (A) 10 (B) 15
(C) 17 (D) 20

23. If the sum of two numbers is 20 and their product is 96, what is the difference between these two numbers?

- (A) 2 (B) 4
(C) 6 (D) 8

24. A rectangle has a length that is 3 units more than its width. If its perimeter is 26 units, what is its area?

- (A) 40 Sq. units (B) 42 Sq. units
(C) 45 Sq. units (D) 48 Sq. units

25. A train 300 m long crossed a platform 900 m long in one minute 12 seconds. The speed of the train in km/h was

- (A) 45 (B) 50
(C) 54 (D) 60

ENGLISH

26. Odisha TV journalist dies, another critical, after boat to rescue elephant _____.
- (A) breaks (B) capsizes
(C) stall (D) drown
27. Which sentence is in the passive voice?
- (A) The chef cooked a delicious meal.
(B) The meal was cooked by the chef.
(C) The chef is cooking a meal.
(D) The chef will cook a meal.
28. We can't buy happiness with money. Happiness is an example of
- (A) Proper noun
(B) Common noun
(C) Collective noun
(D) Abstract noun
29. 'Impassioned' means—
- (A) Ardent (B) Dispassionate
(C) Passionless (D) Unemotional
30. Identify the error in the following sentence:
- "The committee have made their decision, and they are now announcing it."
- (A) committee (B) have
(C) their (D) announcing
31. Fill in the blank from the alternatives given:
- She has great affection _____ the baby.
- (A) at (B) in
(C) for (D) with
32. Fill in the blank with an appropriate preposition from the alternative given:
- She was vexed _____ the belated reply from her friends.
- (A) at (B) with
(C) by (D) on
33. Choose the correct synonym given from the alternatives.
- 'WEAK'
- (A) Feeble (B) Strong
(C) Firm (D) Obstinate
34. Fill in the blank with appropriate word:
- Would you mind _____ the window?
- (A) opening
(B) opened
(C) to have opened
(D) to open
35. Choose the correct option to complete the sentence.
- Babies _____ when they are hungry.
- (A) cries (B) cried
(C) are crying (D) cry
36. A person who renounces the world and practices self-discipline in order to attain salvation—
- (A) Septic (B) Ascetic
(C) Devotee (D) Antiquarian
37. Identify the error in the following sentence:
- "Neither the teacher nor the students was aware of the problem."
- (A) teacher (B) students
(C) was (D) problem
38. Fill in the blank from the alternatives given:
- Before he _____ the station, the train _____.
- (A) reached, left
(B) had reached, had left
(C) reached, had left
(D) reaches, left

39. Select the pair not having the same relationship:

- (A) Liquid : Litre
 (B) Bushel : Corn
 (C) Weight : Scale
 (D) Fame : Television

40. Find the word with same meaning: 'RELINQUISH'

- (A) Real (B) Religious
 (C) Renounce (D) Punishment

41. Which of the following sentences uses a simile?

- (A) The wind whispered through the trees.
 (B) Her smile was as bright as the sun.
 (C) The night was as dark as coal.
 (D) The stars were diamonds in the sky.

42. Choose the correct phrase to complete the sentence given below:

The monsoon has _____.

- (A) set in (B) set on
 (C) set at (D) set up

43. Which of the following words is correctly spelled?

- (A) saparate (B) separate
 (C) separete (D) seperate

44. Identify the correct sentence from the given word:

- (A) You but I am guilty for the accident.
 (B) You and not I are guilty for the accident.
 (C) You and not I am guilty for the accident.
 (D) You but I are guilty for the accident.

45. Fill in the blank with an appropriate preposition from the alternative given:

He was successful _____ completing the job within four days.

- (A) on (B) in
 (C) with (D) of

46. Find the correctly spelled word

- (A) Adulation (B) Adlation
 (C) Aduelation (D) Addulation

47. Choose the best word from the options to complete the given sentence:

The thief disappeared in a _____.

- (A) day (B) run
 (C) trice (D) hurry

48. Choose the correct word to fill in the blanks:

After a recent mild paralytic attack, his movements are _____ restricted, otherwise he is still very active.

- (A) frequently (B) slightly
 (C) entirely (D) nowhere

49. Fill in the blank from the alternatives given:

Neither of them _____ hard working.

- (A) are (B) is
 (C) were (D) have been

50. Select the opposite meaning from the list for the word 'HOSTILE'.

- (A) Friendly (B) Generous
 (C) Powerful (D) Cruel

GENERAL INTELLIGENCE

51. In a certain code, "TRADING" is written as "RQTBCFH". How is "MARKET" written in the same code?
 (A) QNLJFS (B) QNLDQJ
 (C) QLNDQJ (D) None of these
52. In a family, there are 7 sisters and each sister has 1 brother. How many children are there in total in this family?
 (A) 7 (B) 8
 (C) 14 (D) 15
53. In a row of students, Rahul is 10th from the left and Priya is 8th from the right. What is the total number of students in the row?
 (A) 18
 (B) 19
 (C) 21
 (D) Can't be determined
54. In a certain code language, if GIVE = 2945 and TAKE = 3154, what would GATE equal?
 (A) 2134 (B) 2135
 (C) 2154 (D) 2534
55. Find the odd word from the following:
 (A) JKLM (B) NOPQ
 (C) RSTU (D) VWXZ
56. If snake is called blue, blue is called green, green is called red and red is called yellow, then what is the colour of grass?
 (A) Green (B) Yellow
 (C) Blue (D) Red
57. Choose the word that is a necessary part of the underlined word:
'PAIN'
 (A) Cut (B) Burn
 (C) Nuisance (D) Hurt
58. Interest : Money Lender :: Salary : _____?
 (A) Zamindar (B) Prisoner
 (C) Employees (D) Workers
59. If the day after tomorrow is Thursday, what day of the week is today?
 (A) Monday (B) Tuesday
 (C) Wednesday (D) Friday
60. D, the son-in-law of B, is the brother-in-law of A who is the brother of C. How is A related to B?
 (A) Brother (B) Son
 (C) Father (D) None of these
61. In a room full of people, 75% have brown eyes and 40% are male. What percentage of the people are guaranteed to be either female or not have brown eyes?
 (A) 15% (B) 25%
 (C) 40% (D) 65%
62. If 'SCHOOL' is written as 'SCOLOH', how would 'STUDENT' be written in that code?
 (A) STDUNET (B) STUDNET
 (C) STUDENT (D) STUNDET
63. Choose the correct alternative:
 Eye : Wink :: Heart : ?
 (A) Quiver (B) Move
 (C) Throb (D) Pump

64. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?

- (A) Father (B) Brother
(C) Uncle (D) Grandfather

65. 'Fish' is related to 'Pisciculture'. In the same way 'Bees' is related to

- (A) Horticulture (B) Apiculture
(C) Sericulture (D) Viticulture

66. A man is 4 times as old as his son. In 5 years, he will be 3 times as old as his son. How old is the man now?

- (A) 30 years (B) 40 years
(C) 50 years (D) 60 years

67. A man is looking at a picture of someone. His friend asks, "who is it you are looking at?" The man replies, "Brothers and sisters, I have none. But that person's father is my father's son." Who is the person in the picture?

- (A) The man himself
(B) The man's son
(C) The man's father
(D) The man's nephew

68. Which number is missing in the series?

2, 6, 12, 20, _____, 42

- (A) 24 (B) 30
(C) 32 (D) 36

2, 3x2, 4x3, 5x4, 6x5
= 30

69. If all cats have tails, and Fluffy has a tail, which of the following conclusions is valid?

- (A) Fluffy is definitely a cat
(B) Fluffy might be a cat
(C) Fluffy is not a cat
(D) All animals with tails are cats

70. There is a certain relationship between the left pair of the alphabets. Establish the similar relationship in the right pair and find the missing term:

B : F :: ? : I

- (A) E (B) C
(C) D (D) N

71. If 'PAPER' is coded as 'OZODQ', what is the code for 'PEN'?

- (A) QFO (B) ODO
(C) ODM (D) OFM

72. Drama is related to Scene in the same way as Book is related to

- (A) Author (B) Chapter
(C) Page (D) Story

73. Find out the odd from the given alternatives:

- (A) Crane (B) Potoo
(C) Toucan (D) Bull

74. In a certain code, WORKABLE is written as VOYZPILD, how will BLUNDERS be written in the same code?

- (A) CMVOEST
(B) TSEOVMC
(C) YOFMWVIH
(D) HIVWMFOY

75. Find out the unrelated pair from the following:

- (A) Camels and Roar
(B) Dogs and Bark
(C) Birds and Chirp
(D) Horse and Neigh

GENERAL KNOWLEDGE AND COMPUTER PROFICIENCY

76. Where is the Paralympics, 2024 being held?
 (A) Germany (B) Italy
 (C) Paris (D) China
77. What is the purpose of "Task Manager" in Windows Operating System?
 (A) Track aspects of your systems performance
 (B) Terminate or close the applications when they do not shutdown normally
 (C) See which programs and processes are running
 (D) All of the above
78. In MS-word, a number printed above the baseline is called _____.
 (A) Superscript (B) Strikethrough
 (C) Subscript (D) Under stroke
79. Which of the following is the smallest unit of data in a computer?
 (A) Bit (B) KB
 (C) Nibble (D) Byte
80. Which one of the following is correct about 'Hard Water'?
 (A) It is free from soluble salts of calcium and magnesium.
 (B) It does not give lather with soap.
 (C) Both (A) and (B)
 (D) None of the above
81. Why is the = COUNTIF function in Excel used?
 (A) Counts cells as specified
 (B) Counts blank cells in a range
 (C) Counts cells with numbers in a range
 (D) Returns values based on a TRUE or FALSE condition
82. The Windows sound file has the extension _____.
 (A) .wav (B) .sit
 (C) .wpd (D) .dif
83. Who won the gold medal in men's single tennis title at the Paris Olympics 2024?
 (A) Jannik Sinner
 (B) Novak Djokovic
 (C) Carlos Alcaraz
 (D) Matthew Ebden
84. What is the purpose of an 'IP address' in a network?
 (A) To identify and locate a device on the network
 (B) To encrypt data for security
 (C) To increase network speed
 (D) To store user credentials
85. Who was appointed as the new Governor of the Reserve Bank of India (RBI) in 2024?
 (A) Urjit Patel
 (B) Shaktikanta Das
 (C) Raghuram Rajan
 (D) Bimal Jalan
86. Who among the following was not a Prime Minister of India?
 (A) I. K. Gujral
 (B) Guljari Lal Nanda
 (C) Neelam Sanjiva Reddy
 (D) H. D. Deve Gowda
87. In MS-Excel, Page border option is available under _____ tab.
 (A) Insert (B) View
 (C) Page layout (D) None of these

88. Limba Ram is associated with which sports?
 (A) Chess (B) Archery
 (C) Gymnastics (D) Hockey

89. What does the acronym 'URL' stand for in web browsing?

- (A) Uniform Resource Locator
 (B) Universal Resource Locator
 (C) Uniform Reference Locator
 (D) Universal Reference Locator

90. In 2019, which popular singer was awarded Bharat Ratna award?

- (A) Lata Mangeshkar
 (B) Asha Bhonsle
 (C) Bhupen Hazarika
 (D) Manna Dey

91. Which was the native country of Christopher Columbus?

- (A) France (B) Spain
 (C) Italy (D) England

92. Which legislative code does the Bharatiya Nagarik Suraksha Sanhita (BNSS), 2023 replace?

- (A) Indian Penal Code, 1860
 (B) Code of Criminal Procedure, 1973
 (C) Indian Evidence Act, 1872
 (D) Indian Contract Act, 1872

93. Pascal (Pa) is the unit for

- (A) Thrust (B) Frequency
 (C) Pressure (D) Conductivity

94. Haldi Ghati is associated with

- (A) Maharana Pratap
 (B) Gautam Buddha
 (C) Mahaveer
 (D) Aurobindo Ghosh

95. What type of malware is designed to spread from one computer to another, often without the user's knowledge?

- (A) Trojan Horse (B) Virus
 (C) Worm (D) Spyware

96. Which of these is not a mammal?

- (A) Dolphin (B) Bat
 (C) Penguin (D) Elephant

97. Which layer of atmosphere lies above the troposphere?

- (A) Exosphere (B) Stratosphere
 (C) Mesosphere (D) Thermosphere

98. Which article of the Indian Constitution is Dr. B. R. Ambedkar called "The heart and soul of the Indian Constitution"?

- (A) Article 14 (B) Article 19
 (C) Article 356 (D) Article 32

99. What is the name of the theoretical framework proposed by Stephen Hawking that describes the evolution of the universe from the Big Bang?

- (A) Theory of Relativity
 (B) Quantum Mechanics
 (C) Black Hole Theory
 (D) Singularity Theory

100. The green planet in the Solar System is

- (A) Mars (B) Uranus
 (C) Venus (D) Earth