

| | |
|-------------|--|
| Seat No. | |
|-------------|--|

ENT - 34

Total No. of Pages : 18

P. G. Entrance Examination, 2025
M. Sc. COMPUTER SCIENCE
Subject Code: 58712

Day and Date : Thursday, 10-07-2025
Time : 03.30 p.m. to 05.00 p.m.

Total Marks : 100

Instructions :

- 1) All questions are COMPULSORY.
- 2) There is NO negative marking.
- 3) Each question carries ONE mark.

1) India's first bullet train became operational between:

- | | |
|----------------------|---------------------|
| a) Mumbai-Ahmedabad | b) Delhi-Chandigarh |
| c) Chennai-Bengaluru | d) None of these |

2) India's first 6G testbed was launched in which city in 2025?

- | | |
|--------------|----------|
| a) Bengaluru | b) Delhi |
| c) Hyderabad | d) Pune |

3) Which Indian state launched the first blockchain-based land registry in 2025?

- | | |
|-------------------|----------------|
| a) Andhra Pradesh | b) Telangana |
| c) Karnataka | d) Maharashtra |

4) Which city will host the 2025 Global Investors Summit?

- | | |
|------------|------------------|
| a) Lucknow | b) Indore |
| c) Jaipur | d) Visakhapatnam |

5) India's first underwater metro became operational in:

- | | |
|------------|------------|
| a) Mumbai | b) Chennai |
| c) Kolkata | d) Kochi |

- 6) Which state became the first to implement 100% natural farming in 2025?
- a) Himachal Pradesh
 - b) Sikkim
 - c) Uttarakhand
 - d) Kerala
- 7) Which vaccine was added to India's Universal Immunization Program in 2025?
- a) HPV Vaccine
 - b) Dengue Vaccine
 - c) Malaria Vaccine
 - d) None
- 8) India's first "Skills University" was established in:
- a) Haryana
 - b) Gujarat
 - c) Uttar Pradesh
 - d) Karnataka
- 9) India's first "Drone Taxi" service was launched in:
- a) Bengaluru
 - b) Mumbai
 - c) Delhi-NCR
 - d) Hyderabad
- 10) Which major artificial intelligence model gained significant public attention in late 2022 for its conversational abilities?
- a) AlphaFold
 - b) DALL-E 2
 - c) ChatGPT
 - d) Bard
- 11) Who became the Prime Minister of the United Kingdom in late 2022?
- a) Boris Johnson
 - b) Liz Truss
 - c) Rishi Sunak
 - d) Keir Starmer

- 12) Which major international organization appointed its first female Secretary-General in early 2024?
- a) NATO
 - b) United Nations
 - c) World Trade Organization (WTO)
 - d) International Monetary Fund (IMF)
- 13) What major technological advancement in battery technology gained prominence in 2023 for its potential in electric vehicles?
- a) Lead-acid batteries
 - b) Nickel-metal hydride batteries
 - c) Solid-state batteries
 - d) Lithium-air batteries
- 14) Which Indian film won the Academy Award for Best Documentary Short Film at the 95th Academy Awards in early 2023?
- a) RRR
 - b) The Elephant Whisperers
 - c) All That Breathes
 - d) Writing with Fire
- 15) Which social media platform faced significant regulatory challenges and debates regarding its content moderation policies in 2022-2024 under its new ownership?
- a) Instagram
 - b) TikTok
 - c) X (formerly Twitter)
 - d) Facebook
16. Look at this series: 80, 10, 70, 15, 60,What number should come next?
- a) 20
 - b) 25
 - c) 30
 - d) 50

17. QPO NML KJI EDC

- a) HGF
- b) CAB
- c) JKL
- d) GHI

18. Secretly is to openly as silently is to

- a) scarcely.
- b) impolitely.
- c) noisily.
- d) quietly.

19. Safe: Secure :: Protect:

- a) Lock
- b) Guard
- c) Sure
- d) Conserve

20. If 'white' is called 'yellow', 'yellow' is called 'blue', 'blue' is called 'red', 'red' is called 'black', 'black' is called 'violet' and 'violet' is called 'green', then what would be the colour of light emitting from bulb?

- a) Blue
- b) Red
- c) Yellow
- d) Black

21. A, B, C, D, E, F and G are members of a family consisting of four adults and three children, two of whom, F and G are boys. A and D are brothers and A is an engineer. E is a doctor married to one of the brothers and has two children. B is married to D and G is their child, Who is C?

- a) A's son
- b) E's daughter
- c) F's father
- d) G's father

22. Which word does NOT belong with the others?

- a) inch
- b) ounce
- c) centimeter
- d) yard

23. Amit introduces Rahul as the son of the only brother of his father's wife.

How is Rahul related to Amit?

- a) Cousin
- b) Son
- c) Uncle
- d) Son-in-law

24. Choose the number which is different from others in the group

- a) 72-12
- b) 48-24
- c) 120-74
- d) 96-84

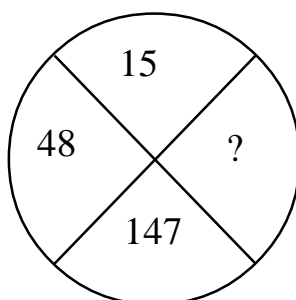
25. BINDING: BOOK

- a) criminal: gang
- b) display museum
- c) artist: carpenter
- d) frame picture

26. In a row of 26 girls, when Sakshi shifted four places towards the left, she become 10th from the left end. What was her earlier position from the right end of the row?

- a) 10th
- b) 11th
- c) 13th
- d) 12th

27. Find the correct alternative which will replace the question mark?



- a) 417
- b) 444
- c) 846
- d) 284

28. In a certain code "SAND" is written as "UCPF". How is "STONE" is written in that code?

- a) SRLFE
- b) UNSOP
- c) UVQPG
- d) UDLPQ

29. In a certain code "564" means "all the best", "736" means "best of luck" and "423" means "all is luck". Which of the following is the code for "best"?

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

30. If D is son of x, x is sister of y, o is father of x and y is father of V. How is D related to V?

- a) Nephew
- b) Grandson
- c) Brother
- d) Cousin

31. Five girls are standing in a row to be photographed. Komal is to the left of Aakriti. Disha is to the right of Aakriti. Ankita is between Aakriti and Soumya. Who would be second from the right in the photograph?

- a) Soumya
- b) Aakriti
- c) Ankita
- d) Disha

32. Arrange the words given below in a meaningful sequence.

1. Police 2 . Punishment 3. Crime 4. Judge 5. Judgment

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

33. From a certain point, Smriti walks 70 m towards the south. Then, she turns to her right & starts walking straight for another 70 m. Then, again turning to her left he walks for 60 m. She then turns to her left & walks for 70 m. How far is she from the starting point?

- a) 120 m b) 135 m
- c) 140 m d) 130 m

34. I. All roads are poles.

II. No pole is house.

Conclusions:

I. Some roads are houses.

II. Some houses are poles.

- a) If only conclusion I follows b) If only conclusion II follows
- c) If either I or II follows d) If neither I nor II follows

35. 'North Pole' is related to 'Magnet' in the same way asis related to Battery'

- a) Cell b) Power
- c) Terminal d) Energy

36) Find the sum of first 90 even natural numbers.

- a) 8180 b) 8190
- c) 8100 d) 8110

37) A group of 5 men or 12 women can do a task in 78 days. find the time taken by 5 men and 12 women to complete the task.

- a) 39 days b) 36 days
- c) 29 days d) 26 days

38) Find the simple interest on Rs. 5200 for 2 years at 6% per annum.

- | | |
|------------|------------|
| a) Rs. 450 | b) Rs. 524 |
| c) Rs. 600 | d) Rs. 624 |

39) A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years.

The sum is:

- | | |
|------------|------------|
| a) Rs. 650 | b) Rs. 690 |
| c) Rs. 698 | d) Rs. 700 |

40) A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:

- | | |
|---------------|---------------|
| a) Rs. 2000 | b) Rs. 10,000 |
| c) Rs. 15,000 | d) Rs. 20,000 |

41) A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

- | | |
|---------------|---------------|
| a) 120 metres | b) 180 metres |
| c) 324 metres | d) 150 metres |

42) Alfred buys an old scooter for Rs. 4,700 and spends Rs. 800 on its repairs.

If he sells the scooter for Rs. 5,800, his gain percent is:

- | | |
|--------|--------|
| a) 10% | b) 12% |
| c) 15% | d) 20% |

- [illegible]

ENT - 34

- 48) A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?
- a) Rs. 375 b) Rs. 400
- c) Rs. 600 d) Rs. 800
- 49) A man walked diagonally across a square lot. Approximately, what was the percent saved by not walking along the edges?
- a) 20 b) 24
- c) 30 d) 33
- 50) A tank is 25 m long, 12 m wide and 6 m deep. The cost of plastering its walls and bottom at 75 paise per sq. m, is:
- a) Rs. 456 b) Rs. 458
- c) Rs. 558 d) Rs. 568
- 51) The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:
- a) 15 b) 16 /
- c) 18 d) 25
- 52) A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?
- a) Rs. 1090 b) Rs. 1160
- c) Rs. 1190 d) Rs. 1202

- 53) The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
- a) 4 years b) 8 years
- c) 10 year s d) None of these
- 54) A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?
- a) 7 b) 8
- c) 9 d) 10
- 55) A car owner buys petrol at Rs.7.50, Rs. 8 and Rs. 8.50 per litre for three successive years.
- What approximately is the average cost per litre of petrol if he spends Rs. 4000 each year?
- a) Rs. 7.98 b) Rs. 8
- c) Rs. 8.50 d) Rs. 9
- 56) The Chairman is ill and we'll have to the meeting for a few days.
- a) Put on b) Put of
- c) Put away d) Put off
- 57) The students subject totreated like a child by their teachers.
- a) be b) being
- c) become d) became
- 58) By the time he was thirty, he many tournaments.
- a) won b) had won
- c) has had won d) was winning

- 59) It was raining heavy yesterday, so theyout.
- a) did not go b) did not went
- c) would not go d) would not gone
- 60) If she was free, she to you.
- a) talked b) can talk
- c) could talked d) would talk
- 61) If you work really hard, you good score in the upcoming examination.
- a) will get b) will got
- c) would get d) would got
- 62) When she was in the university, she wake up early in the morning.
- a) should b) would
- c) will d) would have
- 63) I was watching a TV program, when he in.
- a) walk b) walks
- c) walked d) was walking
- 64) If you have time, you the nature museum.
- a) should visit b) should visited
- c) have to visit d) would visit
- 65) She the driving test to get a license.
- a) should pass b) should has passed
- c) has to pass d) have to pass
- 66) He always.....to prove that the earth revolves round the sun.
- a) tried b) tries
- c) was trying d) is trying

67) The king rebel.

- | | |
|-------------|------------------|
| a) excused | b) forgave |
| c) pardoned | d) none of these |

68) There are views on the issue of giving bonus to the employees.

- | | |
|----------------|--------------|
| a) independent | b) divergent |
| c) modest | d) adverse |

69) He has people visiting him at his house because he fears it will cause discomfort to neighbours.

- | | |
|--------------|--------------|
| a) curtailed | b) requested |
| c) stopped | d) warned |

70) The..... of private limited companies is in the hands of its directors.

- | | |
|---------------|-------------------|
| a) managers | b) administrators |
| c) management | d) department |

71) The Christmas tree was..... with stars and other decorative items.

- | | |
|------------|------------|
| a) adorned | b) endowed |
| c) encased | d) enticed |

72) Many companies ask their employees to sign a of secrecy.

- | | |
|--------------|--------------|
| a) agreement | b) bond |
| c) bondage | d) espionage |

73) Some of the luggage not yet arrived.

- | | |
|--------|---------|
| a) has | b) have |
| c) is | d) are |

81. Who developed Java?

- a) Brendan Eich
- b) James Gosling
- c) Tim Berners-Lee
- d) Guido van Rossum

82. Which keyword is used for accessing the features of a package?

- a) import
- b) package
- c) extends
- d) exports

83. Which of the following is an immediate subclass of the Panel class?

- a) Applet class
- b) Window class
- c) Frame class
- d) Dialog class

84. What is the return type of the hashCode() method in the Object class?

- a) Object
- b) int
- c) long
- d) void

85. Which of the following is not a Java features?

- a) dynamic
- b) object-oriented
- c) use of pointers
- d) none of these

86. What is the default access modifier for a class in C#?

- a) public
- b) internal
- c) private
- d) protected

87. Which class is used for reading text from a file in C#?

- a) File Writer
- b) FileInput
- c) StreamReader
- d) Scanner

88. What is the default language of ASP.NET?

- a) VBScript
- b) JavaScript
- c) C#
- d) Python

89. Which directive is mandatory for every ASP.NET page?

- a) @OutputCache
- b) @Control
- c) @Page
- d) @Import

90. What is the use of Master Pages in ASP.NET?

- a) Database connections
- b) Define consistent layout
- c) Style management
- d) State management

91. Which of the following is the default shell in most Linux distributions?

- a) Korn shell
- b) C shell
- c) Bash
- d) Z shell

92. Which command is used to search for a pattern in a file?

- a) find
- b) grep
- c) search
- d) locate

93. The kernel is responsible for:

- a) Compiling applications
- b) Managing hardware and processes
- c) User management
- d) File editing

94. Which command displays disk usage of files and directories?

- a) df
- b) du
- e) Is
- d) mem

95. Which Linux command is used to archive files?

- a) zip
- b) gzip
- c) tar
- d) bzip

96. Python is known as

- a) a compiled language
- b) an interpreted language
- c) a machine language
- d) an assembly language

97. Who developed the Python language?

- a) Zim Den
- b) Niene Stom
- c) Danneis Ritejie
- d) none of these

98. Which character is used in Python to make a single line comment?

- a) /
- b) //
- c) #
- d) !

99. Which of the following is a mutable data type in python?

- a) String
- b) List
- c) Tuple
- d) Integer

100. Which statement immediately terminates a loop in Python?

- a) break
- b) continue
- c) exit
- d) stop



Rough