

Seat No.	
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ENT-02

Total No. of Pages : 18

**MCA (Science) Entrance
Computer Science, Examination, 2026
Subject Code : 58729**

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Day and Date : Wednesday, 13-05-2026
Time : 10.30 a.m. to 12.00 p.m.
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Total Marks : 100

Instructions

1. All questions are COMPULSORY.
 2. There is NO negative marking..
 3. Each question carries ONE mark.
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- 1) Which state became the first in India to pass the Uniform Civil Code (UCC) bill in February 2024?
 - a) Uttar Pradesh
 - b) Gujarat
 - c) Uttarakhand
 - d) Madhya Pradesh
- 2) Which chess player made headlines in 2024 for winning a significant international title?
 - a) Viswanathan Anand
 - b) R. Praggnanandhaa
 - c) D. Gukesh
 - d) Koneru Humpy
- 3) Which committee recommended the implementation of "One Nation-One Election" in India?
 - a) Election Commission of India
 - b) Law Commission of India.
 - c) Ram Nath Kovind Committee
 - d) NITI Aayog

10) Which country won the 2024 ICC Men's T20 World Cup?

- a) Australia
- b) England
- c) South Africa.
- d) India

Q11) Statement-I: All the trees in the park are flowering trees.

Statement-II: Some of the trees in the park are dogwoods.

Statement-III: All dogwoods in the park are flowering trees.

If the first two statements are true, the third statement is

- a) True
- b) False
- c) Uncertain
- d) None of above

Q12) Choose the pair of words which are different from others in the group.

- a) length:extend
- b) duration:period
- c) time:span
- d) expanse:stretch

Q13) 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 form the right end of the row?

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

Q14) Look at this series: 664, 332, 340, 170,,89,... What number should fill the blank?

- a) 85
- b) 97
- c) 109
- d) 178

Q15) The day before yesterday was Saturday, What day will it be the day after tomorrow?

- a) Tuesday
- b) Wednesday
- c) Thursday
- d) Friday

Q16) If in a certain language, NOIDA is coded as OPJEB, how is DELHI coded in that language?

- a) CDKGH
- b) EFMIJ
- c) FGNJK
- d) IHLED

Q17) Statements: A school has 500 students. 50% of them are boys.

Conclusions:

I) The school has 250 girls.

II) Boys are the majority in the school.

- a) Only conclusion I follows.
- b) Only conclusion II follows.
- c) Both I and II follows.
- d) None of above

Q18) Safe: Secure:: Protect:?

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

Q19) Pointing to a man, Rohan said, "His only brother is the father of my daughter's father."

How is the Rohan related to the man?

- a) Father
- b) Grandson
- c) Uncle
- d) Nephew

Q20) SCD, TEF, UGH,,WKL

- a) CMN
- b) UJI
- c) VIJ
- d) IJT

Q21) Refer to the alphanumeric series given below and answer the following questions:

A * 5 9 I N & E @ # U I &

How many vowels in the above arrangement are preceded by a symbol?

- a) One
- b) Two
- c) Three
- d) None

Q22) Which is the second element to the left of the sixth element from the right?

- a) &
- b) @
- c) N
- d) E

Q23) Find out the odd one,

- a) Goggles
- b) Spectacles
- c) Bifocals
- d) Optical Reader

Q24) Statements- I: All boys are honest. II. Sachin is a boy.

Conclusions-I: Sachin is a boy. II. All honest persons are boys.

- 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

Q25) While sitting in a park, you observe that a smart young man comes to the place on a scooter, leaves it there and goes away with someone else on a motorbike.

You would:

- a) Inform the police at the nearby booth.
- b) Chase the person.
- c) Remain engaged in your enjoyment.
- d) Call back the person.

Q26) War : Death :: Smoke : ?

- a) Cigarette
- b) Fire
- c) Burning
- d) Pollution

Q27) Mr. Deepak Mohan walks 5 km towards the south and then turns to the right.

After walking 3 km he turns to the left and walks 5 km. What direction is he facing right now?

- a) West
- b) South
- c) North-East
- d) South-West

53. The package arrivedthe expected delivery date.

- a) on
- b) in
- c) at
- d) before

54. I can't believemy keys at home.

- a) I forget
- b) I forgot
- c) I have forgotten
- d) I've forget

55. She plays the piano

- a) good
- b) well
- c) goodly
- d) best

56. I couldn't find my keysI left them on the kitchen counter.

- a) because
- b) so
- c) but
- d) or

57. I'll call you I arrive at the airport.

- a) while
- b) when
- c) since
- d) during

58. She enjoysnovels in her free time.

- a) reading
- b) read
- c) reads
- d) to read

59. The car is to drive.

- a) too fast
- b) very fast
- c) so fast
- d) speedy

60. My favorite season is

- a) in summer
- b) summer
- c) at summer
- d) on summer

Q76. The population of a village increases at a rate proportional to the population at that time. In a period of 10 years the population grew from 20000 to 40000, then the population after another 20 years is

- a) 80000
- b) 160000
- c) 100000
- d) 120000

Q77. If $f(x) = x \cos x$, then $f'(0) = ?$

- a) -1
- b) 0
- c) 1
- d) infinity

Q78. The runs scored by a batsman in 5 ODIs are 31, 97, 112, 63, and 12. The standard deviation is

- a) 28.79
- b) 23.79
- c) 25.79
- d) 21.79

Q79. $\int_{-2}^2 |x| dx =$

- (a) 0
- (b) 2
- (c) 1
- (d) 4

Q80. Integration of function is same as the

- a) joining many small entities to create a large entity
- b) indefinitely small differences of a function
- c) multiplication of two function with very small change in value
- d) point where function neither have maximum value nor minimum value

Q81 If differentiation of any function is infinite at any point and constant at other points then it means

- a) Function is parallel to x-axis at that point
- b) Function is parallel to y-axis at that point
- c) Function is constant
- d) Function is discontinuous at that point

Q82. An event in the probability that will never be happened is called as

- a) unsure event
- b) sure event
- c) possible event
- d) impossible event

Q83. The number of Indians in the world isset

- a) finite
- b) universal
- c) infinite
- d) equal

Q84. If a matrix A is both symmetric and skew-symmetric, then

- a) A is a diagonal matrix
- b) A is a zero matrix
- c) A is a scalar matrix
- d) A is a square matrix

Q85. The area of a triangle with vertices (-3, 0), (3, 0) and (0, k) is 9 sq. units. The value of k will be

- a) 6
- b) 3
- c) -9
- d) none of these

Q86) If for the non-singular matrix A, $A^2 = I$, then A^{-1} is

- a) A
- b) 1
- c) 0
- d) None of these

Q87. If $4x + 3y + 6z = 25$, $x + 5y + 7z = 13$, $2x + 9y + z = 1$ then $x =$

- a) 10
- b) 0
- c) -2
- d) 4

Q88. The locus represented by $xy + yz = 0$ is

- a) A pair of perpendicular lines
- b) A pair of parallel lines
- c) A pair of parallel planes
- d) none of these

Q89. If $P(A) = 0.4$, $P(B) = 0.8$ and $P(B|A) = 0.6$, then $P(A \cup B)$ equal to

- a) 0.0024
- b) 0.39
- c) 0.48
- d) 0.96

Q90. In an ellipse, the distance between its foci is 6 and its minor axis is 8 then its eccentricity is

- a) $8/5$
- b) $3/5$
- c) $5/3$
- d) $19/2$

91) A polygon has 44 diagonals. Then the number of sides of the polygon are

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

92) How many asymptotes does a hyperbola have?

- a) four
- b) three
- c) two
- d) one

93) Which parameter determines the distance between the center and the vertices of a hyperbola?

- a) eccentricity
- b) semi-minor axis
- c) semi-major axis
- d) focal length

94) In a binomial distribution, each trial has how many possible outcomes?

- a) one
- b) two
- c) three
- d) four

95) Which measure of dispersion is defined as the square root of the variance?

- a) mean deviation
- b) range
- c) standard deviation
- d) inter-quartile range

96) What is the smallest unit of data in computing?

- a) Byte
- b) Bit
- c) Kilobyte (KB)
- d) Megabyte (MB)

97) What is cloud computing?

- a) Storing data on personal hard drives only
- b) Storing and accessing data over the internet
- c) Using floppy disks for storage
- d) Running software without hardware

98) What is the file extension for a Microsoft Word document?

- a) .jpg
- b) .exe
- c) .docx
- d) .pdf

99) What is the function of a search engine?

- a) To send and receive emails.
- b) To display web pages.
- c) To find information on the World Wide Web.
- d) To manage files on a computer.

100) Which unit is used to measure the speed of a computer's processor?

- a) Byte
- b) Hertz (Hz)
- c) Pixel
- d) DPI



- Rough Work -

- Rough Work -