

Seat No.

Total No. of Pages : 22

M.Sc Entrance Examination 2026**M.Sc. Computer Science****Sub. Code: 58712**

Day and Date : Wednesday, 13-May-2026**Total Marks : 100****Time : 01.00 PM TO 02.30 PM**

Instructions:

- 1) All questions are COMPULSORY.
 - 2) There is NO negative marking.
 - 3) Each question carries ONE mark.
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Q1) Which Indian state launched the "AI for All" initiative in 2025?

a) Karnataka

b) Telangana

c) Maharashtra

d) Gujarat

Q2) Who won the Turing Award 2024 for contributions to AI?

a) Yann LeCun

b) Geoffrey Hinton

c) Yoshua Bengio

d) Demis Hassabis

Q3) Which Indian city was selected for the Global AI Hub in 2025?

a) Bengaluru

b) Hyderabad

c) Pune

d) Chennai

- Q4) The "PM Gati Shakti National Master Plan" focuses on:
- a) Digital Infrastructure
 - b) Multi-Modal Connectivity
 - c) Space Technology
 - d) Healthcare
- Q5) Which of the following is India's first indigenous mRNA vaccine?
- a) Covaxin
 - b) GEMCOVAC-19
 - c) ZyCoV-D
 - d) Corbevax
- Q6) Which country leads in 6G patent filings as of 2025?
- a) USA
 - b) China
 - c) South Korea
 - d) Japan
- Q7) The "National Blockchain Strategy" was launched by which ministry?
- a) MeitY
 - b) MORTH
 - c) MOEFCC
 - d) MoD
- Q8) Which Indian state introduced robot teachers in government schools in 2024?
- a) Kerala
 - b) Rajasthan
 - c) Odisha
 - d) Madhya Pradesh

Q15) Which Indian state topped in Startup Ranking 2024?

- a) Karnataka
- b) Telangana
- c) Maharashtra
- d) Delhi

Q16) Careful is to cautious as boastful is to

- a) arrogant
- b) humble
- c) joyful
- d) suspicious

Q17) What comes next in the series: 2P, 5M, 10J, 17G, ...?

- a) 24 F
- b) 42 P
- c) 26 D
- d) 12 A

Q18) The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago?

- a) 71 years
- b) 72 years
- c) 74 years
- d) 77 years

Q19) Which word does not belong with the others?

- a) index
- b) glossary
- c) chapter
- d) book

Q20) In a certain code "564" means "study very hard", "736" means "hard work pays" and "423" means "study and work". Which of the following is the code for "work"?

- a) 5
- b) 3
- c) 6
- d) 4

Q21) Milly introduced a boy as the son of the only daughter of the mother of her maternal uncle. How is Milly related to that boy?

- a) Nephew
- b) Son
- c) Brother
- d) Sister

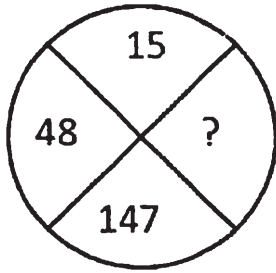
Q22) Find the next number in the series: 61, 52, 63, 94, 46,?

- a) 81
- b) 18
- c) 49
- d) 35

Q23) Deepa's younger brother Bobby is older than Hitika. Shweta is younger than Nilesh but elder than Deepa. If Nilesh is younger than Shyam then who is the youngest?

- a) Shyam
- b) Nilesh
- c) Bobby
- d) Hitika

Q24) Find the correct alternative which will replace the question mark?



a) 417

b) 444

c) 846

d) 284

Q25) In a certain code "CLOUD" is written as "ENQWF". How "CRACK" is written in that code?

a) SPUPSR

b) ETCEM

c) ESAPTO

d) NJELVP

Q26) Pointing towards a person a woman said to man, "His father is the only son of your mother".

How is the man related to that person?

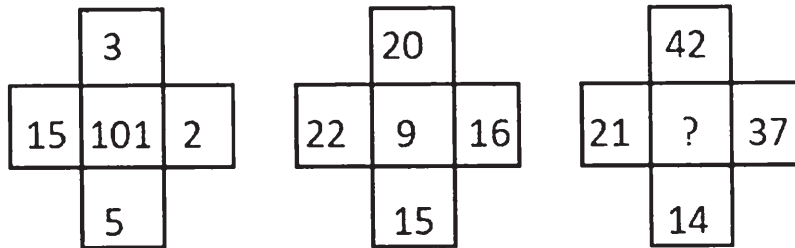
a) Husband

b) Son

c) Father

d) Brother

Q27) Find the correct alternative which will replace the question mark?



- a) 7
- b) 25
- c) 4
- d) 59

Q28) Which interchange of signs will make the following equation correct?

$$(8-8)+8*32 = 64$$

- a) *,+,-
- b) -,/,+
- c) +,/, *
- d) +, /, +

Q29) Find odd one out from the given jumbled words:

LNUAIMMIU, ELEST, OPERPC, NMKOYE, INCKLE

- a) NMKOYE
- b) OPERPC
- c) INCKLE
- d) ELEST

Q30) Smita solves 5 questions per minute and starts solving at 2 pm. Sheetal solves 6 questions per minute and starts at 2:15 pm, the same day. When would they have solved same number of questions?

- a) 3:40 pm
- b) 3:35 pm
- c) 3:45 pm
- d) 3:30 pm

ENT-06

- Q31) A container has 75% milk and 25% water. If I add 2 litres of water, then there will be equal amount of milk and water in the container. What is the amount of milk present in the container?
- a) 5 litres
b) 3 litres
c) 6 litres
d) 4 litres
- Q32) In a class of 120 students, 40% are females and rest are males. 50% of the female students passed an entrance exam. If the total number of students who passed the exam is 72, then what percentage of the male students passed the exam?
- a) 33.33%
b) 66.66%
c) 16.66%
d) 52.25%
- Q33) If '+' means '÷', '-' means '+', '÷' means 'x' and 'x' means '-', then what will be the value of $(78 \times 45) + 3 - 45 \div 68 \times 13$?
- a) 3548
b) 2568
c) 4038
d) 3058
- Q34) In a zoo, 40% of the total animals are reptiles. Out of the remaining, 60% are mammals. If there are 456 animals that are neither reptiles nor mammals, then how many animals are there in the zoo?
- a) 1,900
b) 1,800
c) 2,100
d) 2,300
- Q35) If Vardhan has a red pen, a blue pen, and a green pen, how many different ways can she arrange them in a row on her desk?
- a) 3 ways
b) 6 ways
c) 9 ways
d) 12 ways

- Q46) A man wants to sell his scooter. There are two offers, one at Rs. 12000 cash and other a credit of Rs. 12880 to be paid after 8 months, money being at 18% per annum. Which is the better offer?
- a) Rs. 12000 in cash
 - b) Rs. 12882 at credit
 - c) both are equally good
 - d) Rs. 18.33
- Q47) Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?
- a) $\frac{1}{2}$
 - b) $\frac{2}{5}$
 - c) $\frac{9}{20}$
 - d) $\frac{8}{15}$
- Q48) The cube root of 0.000216 is
- a) 0.6
 - b) 0.06
 - c) 87
 - d) 77
- Q49) Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is
- a) 1:3
 - b) 3:2
 - c) 3:4
 - d) 2:3

ENT-06

Q55) A bicycle marked at Rs. 2000, is sold with two successive discount of 20% and 10%. An additional discount of 5% is offered for cash payment. The selling price of the bicycle at cash payment is.....

a) Rs. 1368

b) Rs.1468

c) Rs. 1568

d) Rs. 1668

Q56) It's not a good idea to talk on a cell phone and drive at the same time. Drivers..... do that.

a) should

b) shouldn't

c) have to

d) must

Q57) Nishchay is very busy these days. He has free time.

a) much

b) many

c) few

d) little

Q58) My friends been ready yet.

a) has not

b) have

c) have not

d) are not

Q59) Nakita been to Sweden?

a) is

b) has

c) had

d) was

Q60) My little bro a new motorcycle yesterday

- a) has
- b) have
- c) having
- d) had

Q61) My friend wash the dishes.

- a) have to
- b) has to
- c) don't have to
- d) doesn't

Q62) I heard the mice running on the ceiling last night. I couldn't sleep at all.

- a) is
- b) are
- c) was
- d) were

Q63) I tired, so I went to bed early.

- a) am
- b) were
- c) was
- d) is

Q64) We didn't English three years ago.

- a) see
- b) thought
- c) taught
- d) teach

Q65) Mr. Sunil listening to her new songs?

- a) Were
- b) Was
- c) Did
- d) Weren't

Q66) They walked the path together to the island.

- a) along
- b) against
- c) among
- d) through

Q67) Children should learn how to buttons on their clothes.

- a) sew
- b) so
- c) sow
- d) show

Q68) she was very busy; my mother cooked a great meal for us.

- a) Though
- b) Although
- c) Despite
- d) In spite

Q69) When leave?

- a) should we
- b) we should
- c) should we to
- d) should have

Q70) Does eat rice every night?

- a) they
- b) i
- c) he
- d) we

Q71) Don't worry; it's a simple program to use. You it in no time, I'm sure.

- a) are used to
- b) will get used to
- c) used to use
- d) is used

- Q72) The Nile River from south to north,
- a) flow
 - b) flows
 - c) flowed
 - d) flowing
- Q73) My friends English on Sundays.
- a) studies
 - b) study
 - c) studied
 - d) studie
- Q74) For the poster, we clipped words and pictures from my magazines.
- a) Mother's
 - b) Mothers
 - c) Mother
 - d) Mother'es
- Q75) I often television in the evening.
- a) watch
 - b) watching
 - c) am watching
 - d) watching
- Q76) What makes the Java platform independent?
- a) Advanced programming language
 - b) It uses bytecode for execution
 - c) Class compilation
 - d) All of these

Q77) Which one of the following is not a Java feature?

- a) Object-oriented
- b) Use of pointers
- c) Portable
- d) Dynamic and Extensible

Q78) Automatic type conversion is possible in which of the possible cases?

- a) Byte to Int
- b) Int to long
- c) Long to int
- d) Short to int

Q79) In which year was the first version of Java released?

- a) 1991
- b) 1998
- c) 1995
- d) 2000

Q80) What is the key difference between a while loop and a do-while loop in Java?

- a) The syntax used to define the loop
- b) The number of iterations performed
- c) The condition check timing
- d) The ability to use the break statement

Q81) Which of the following is advantage of using JDBC connection pool?

- a) Slow performance
- b) Using more memory
- c) Using less memory
- d) Better performance

- Q82) JSF technology based upon which of the following architecture?
- a) MVVM
 - b) Layered architecture
 - c) Client-server architecture
 - d) MVC architecture
- Q83) Which driver is called as thin-driver in JDBC?
- a) Type-4 driver
 - b) Type-1 driver
 - c) Type-3 driver
 - d) Type-2 drive
- Q84) What is the purpose of the <jsp:forward> action in a JSP page?
- a) To include external JavaScript files.
 - b) To include content from another file during runtime.
 - c) To forward the request to another resource (JSP, Servlet, or HTML).
 - d) To display the result of a Java expression.
- Q85) Which of the following is NOT a valid way to define a bean scope in Spring?
- a) singleton
 - b) prototype
 - c) request
 - d) Scope
- Q86) Which of the following is NOT a keyword used in C# exception handling?
- a) catch
 - b) finally
 - c) throw
 - d) while

Q87) What is an exception in C#?

- a) A method to store data
- b) A type of loop
- c) A problem during program execution
- d) A new program feature

Q88) Which of the following is not an ASP.NET page event?

- a) Init
- b) Import
- c) Load
- d) Disposed

Q89) When does Garbage collector run?

- a) When application is running low of memory
- b) It runs random
- c) When application is running for more than 15 minutes
- d) None of the above

Q90) What does ADO stand for in ADO.NET?

- a) ActiveX Data Objects
- b) Application Data Output
- c) Advanced Data Options
- d) Automatic Data Organization

Q91) What is the purpose of the chown command?

- a) Change file permissions
- b) Change file ownership
- c) Compress files
- d) Monitor logs

Q92) Which file stores user passwords in Linux?

- a) /etc/passwd
- b) /etc/shadow
- c) /etc/group
- d) /etc/users

Q 93) What is the purpose of the ssh command?

- a) Secure file transfer
- b) Remote login
- c) Process management
- d) Disk partitioning

Q 94) Which command checks network connectivity?

- a) netstat
- b) ping
- c) ifconfig
- d) traceroute

Q95) What does | (pipe) do in Linux?

- a) Redirects output to a file
- b) Connects commands (output of one as input to another)
- c) Runs commands in parallel
- d) Comments code

Q96) How is a code block indicated in Python?

- a) Brackets
- b) Indentation
- c) Key
- d) None of these

Q97) In which language is Python written?

- a) C++ language
- b) Java language
- c) Assembly language
- d) C language

Q98) What will be the result of the "2 ** 3 + 5 ** 2" expression in Python?

- a) 65536
- b) 33
- c) 169
- d) 256

Q99) Which of the following is a mutable data type in python?

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

Q100) Which statement immediately terminates a loop in Python?

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



ROUGH WORK