

Question Booklet Code



Question Booklet Sr. No.

031

Roll No.

OMR Sheet No.

ET-1929

**M.Sc. COMPUTER SCIENCE SOFTWARE / MCA LEET
ADMISSION TEST, 2019-20**

Time : 1 Hour

Maximum Marks : 100

Number of Pages in this Booklet : 8

Number of Questions in this Booklet : 50

Instructions for the Candidate :

- (i) Check this booklet carefully for the sequence of pages and questions. If it is defective due to pages/questions missing or not in serial order or any other discrepancy it should be got replaced immediately from the invigilator within the period of 5 minutes. Afterwards neither the Question Booklet will be replaced nor any extra time will be given.
- (ii) After this verification write your Roll No. and OMR Sheet Number on this Question Booklet.
- (iii) Use only Black or Blue ball point pen.
- (iv) This paper consists of **50** multiple choice type questions. Each question has four alternative answers (A), (B), (C) and (D). Only one of these alternative answers is correct. You are required to darken completely the circle of correct answer in the OMR Sheet.
- (v) There is no negative marking.
- (vi) Do not write anything other than relevant entries or put any mark on any part of the OMR Sheet, which may disclose your identity, otherwise you will render yourself liable to disqualification.
- (vii) Use of electronic gadgets such as pager, cell phone, calculator and log table etc. is prohibited.
- (viii) Rough Work may be done in the end of this booklet.
- (ix) You have to return the OMR Sheet to the invigilator at the end of the examination compulsorily.

ET-1929/130x2=260/KD/2249

[P.T.O.]

2249 / 1

SEAL

ET-1929

M.Sc. COMPUTER SCIENCE SOFTWARE / MCA LEET ADMISSION TEST, 2019-20

1. The BIOS used to start a computer resides in
 - (A) RAM
 - (B) ROM
 - (C) Hard Disk
 - (D) Cache Memory.
2. UNIVAC is an example of which generation of computers?
 - (A) First
 - (B) Second
 - (C) Third
 - (D) Fifth.
3. In which of the following gates, the output is 1, if and only if at least one input is 1 ?
 - (A) NOR
 - (B) AND
 - (C) OR
 - (D) NAND
4. What is the advantage of virtual memory?
 - (A) Faster access to memory
 - (B) Increasing speed of CPU
 - (C) Programs larger than main memory size can be run
 - (D) None of the above.
5. Which of the following is the internal memory of a computer system?
 - (A) CPU Register
 - (B) Cache
 - (C) Main Memory
 - (D) All the above.
6. The length of ASCII code is
 - (A) 4 bit
 - (B) 7 bit
 - (C) 8 bit
 - (D) 14 bit.
7. The number system on which the hardware of digital computer operates is
 - (A) Binary
 - (B) Octal
 - (C) Hexadecimal
 - (D) All the above.

8. The Boolean expression $(1 + yx + 0)$ equals to
 (A) 1 (B) 0
 (C) 10 (D) None of the above.
9. The octal equivalent of $(90)_{10}$ is
 (A) 111 (B) 138
 (C) 132 (D) None of the above.
10. Which one of the following is the smallest memory size?
 (A) 30 TB (B) 60 MB
 (C) 180 GB (D) 900 KB.
11. The diamond shaped symbol in flow chart signifies
 (A) Processing (B) Connections
 (C) Print (D) Decision.
12. Which one of the following is not a procedural language?
 (A) C (B) Pascal
 (C) FORTAN (D) LISP.
13. Integer division in C program results in
 (A) Truncation (B) Rounding
 (C) Overloading (D) None of the above.
14. Which of the following operator takes only integer operands?
 (A) + (B) *
 (C) / (D) %.
15. The expression $4 + 6 / 3 * 2 - 2 + 7 \% 3$ evaluates to
 (A) 3 (B) 5
 (C) 7 (D) None of the above.
16. A "switch" statement is used to
 (A) Switch between functions in a program
 (B) Switch from one variable to another variable
 (C) Choose from multiple possibilities on the value of a variable
 (D) All the above.

17. In C a pointer variable to an integer can be created by the declaration
(A) `Int p*;` (B) `Int &p`
(C) `Int *p;` (D) `Int $p;`
18. The declaration *void function 1 (int)* indicates that function 1
(A) Has no arguments
(B) Returns an integer value greater than 1
(C) Returns a floating-point number
(D) Returns nothing.
19. The parameter passing for array variable is always by
(A) Call by value (B) Call by reference
(C) Call by value result (D) None of the above.
20. Choose the odd one out
(A) Abstraction (B) Encapsulation
(C) Inheritance (D) Linking.
21. LCD in computer hardware stands for
(A) Liquid Crystal Display (B) Light Computer Display
(C) Local Computer Display (D) None of the above.
22. Which one is part of data-link layer of OSI model?
(A) Hub (B) Switch
(C) Router (D) All the above.
23. What is the use of Ping command?
(A) To choose remote device on the network for printing
(B) To run an application on local device
(C) To check whether remote device has requisite file
(D) To test whether a device is reachable on network
24. IPv4 address length is
(A) 2 byte (B) 4 byte
(C) 8 byte (D) 16 byte.

25. The technique of temporarily delaying outgoing acknowledgements so that they can be attached with the next outgoing data frame is called
- (A) Piggybacking (B) Cyclic redundancy check
(C) Checksum (D) None of the above.
26. Which of this is not a guided media?
- (A) Fiber optical cable (B) Coaxial cable
(C) Wireless (D) Copper wire.
27. Fiber optics possess following properties
- (A) Immune electromagnetic interference
(B) Less signal attenuation
(C) Very hard to tap
(D) All of the mentioned.
28. URL stands for
- (A) Unique reference label (B) Uniform reference label
(C) Unique resource locator (D) Uniform resource locator.
29. WWW runs on a system at port number
- (A) 20 (B) 40
(C) 60 (D) 80.
30. HTML stands for
- (A) Hyper Text Markup Language (B) Higher Text Markup Language
(C) Hyper Tabular Markup Language (D) None of the above.
31. Which one of the following is not a search engine ?
- (A) Chrome (B) Google
(C) Bing (D) Yahoo.
32. The Bcc field in a standard e-mail application means
- (A) Blank Carbon Copy (B) Blinkered Computer Copy
(C) Blank Contents Copy (D) Blind Carbon Copy.

[P.T.O.]

33. LAN stands for
- (A) Local area network (B) Long area network
(C) Lengthy area network (D) Little area network.
34. Which of the following is not a multitasking operating system ?
- (A) Windows (B) Linux
(C) Win NT (D) DOS.
35. Multiprogramming of computer system increases
- (A) Memory (B) Storage
(C) CPU utilization (D) Cost of computation.
36. When a peripheral device needs immediate attention from the operating system, it generates
- (A) Interrupt (B) Spool
(C) Stack (D) Page fault.
37. All deadlocks involve conflicting needs for
- (A) Resources (B) Users
(C) Computer (D) Programs.
38. Redirection in UNIX pipes can be achieved by using
- (A) > (B) >>
(C) tee (D) lpr.
39. An advantage of the database management approach is
- (A) Data is dependent on programs (B) Data redundancy increases
(C) Data is integrated (D) Data can be duplicated.
40. Key to represent relationship between tables is called
- (A) Master key (B) Weak key
(C) Secondary key (D) Foreign key.
41. If a relation is in BCNF, then it is also in
- (A) 1 NF (B) 2 NF
(C) 3 NF (D) All the above.

42. Which one of the following is not a DBMS ?
 (A) Oracle (B) MySQL
 (C) SQL (D) MS-Access.
43. The full form of DML is
 (A) Data Management Language (B) Data Manipulation Language
 (C) Data Matrix Language (D) Dot Matrix Language.
44. Which of the following sorting procedure is the slowest ?
 (A) Quick sort (B) Heap sort
 (C) Merge sort (D) Bubble sort.
45. The postfix form of $A*B+C/D$ is
 (A) $*AB/CD+$ (B) $AB*CD/+$
 (C) $A*BC+/D$ (D) $ABCD+/*$
46. A full binary tree with n leaves contains
 (A) n nodes (B) $\log_2 n$ nodes
 (C) $2n-1$ nodes (D) None of the above.
47. The time complexity of linear search algorithm over an array of n elements is
 (A) $O(n)$ (B) $O(\log_2 n)$
 (C) $O(n \log_2 n)$ (D) $O(n^2)$
48. Which one of the following is not a command of File menu in MS-Word?
 (A) Open (B) New
 (C) Save (D) Undo.
49. Which of the following is a system software?
 (A) MS-Word (B) Tally
 (C) MS-PowerPoint (D) C Compiler.
50. Which one of the following is not an open source software?
 (A) Linux (B) PHP
 (C) Google Chrome (D) MS-Access.