

WRITTEN TEST FOR MFCP OF TECH. ASST. (COMPUTER PROGRAMMER) A TO B

1. If there are 32 segments, each of size 1 K byte, then the logical address should have?
 - A. 13 bits
 - B. 14 bits
 - C. 15 bits
 - D. 16 bits
2. In C++, a class having no name
 - A. is not allowed
 - B. can't have a constructor
 - C. can't have a destructor
 - D. can't be passed as an argument
3. Overload function in C++
 - A. a group function with the same name
 - B. all have the same number and type of arguments
 - C. functions with same name and same number and type of arguments
 - D. all have the same number only
4. The fields in a class of a c++ program are by default
 - A. protected
 - B. public
 - C. private
 - D. Temporary
5. If the memory chip size is 256 x 1 bits, then the no. of chips required to make 1 K (1024) bytes of memory is
 - A. 32
 - B. 24
 - C. 12
 - D. 8
6. An incremental backup
 - A. User more tapes
 - B. should be done each month
 - C. saves only files that have been recently changed
 - D. saves all files
7. A temporary storage area, attached to the CPU for I/O operations is a
 - A. Channel
 - B. Buffer
 - C. Register
 - D. Core
8. The logical data structure with a one to many relationship is a
 - A. network
 - B. chain
 - C. tree
 - D. Relational

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9. The LRU algorithm
- A. pages out pages that have been used recently
 - B. pages out pages that have not been used recently
 - C. pages out pages that have been least used recently
 - D. pages out the first page in a given area
10. The page fault
- A. occurs when a program accesses end page of memory
 - B. is a specific page
 - C. is an access to a page which is not currently mapped by the memory management
 - D. is an access to a page which is currently mapped by the memory management
11. Consider the join of a relation R with a relation S. If R has m tuples and S has n tuples, then the maximum & minimum sizes of the join respectively are
- A. $m+n$ and 0
 - B. mn and 0
 - C. $m+n$ and $|m-n|$
 - D. mn and $m+n$
12. In a C program constant is defined
- A. before main
 - B. after main
 - C. anywhere but starting on a new line
 - D. in the middle
13. What is the final value of sum ?
- ```
main()
{ int sum=1;
 for(; sum <=9;)
 printf("%d\n",++sum);
}
```
- A. 10
  - B. 11
  - C. 9
  - D. 1
14. What is the output of the following 'C' Program
- ```
main()
(
const int x=5;
int *ptr;
ptr =&x;
*ptr=10;
printf("%d",x);
)
```
- A. 5
 - B. 10
 - C. error
 - D. garbage
15. The value 132.54 can represented using which data type?
- A. Double
 - B. Void
 - C. Int
 - D. Bool

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16. POSIX stands for

- A. Portable Operating System Interface for Unix
- B. Portable Operating System Interface for Linux
- C. Portative Operating System Interface for Unix
- D. Portative Operating System Interface for Linux...

17. Recursive procedure are implemented by ?

- A. Linear List
- B. Queue
- C. Tree
- D. Stack

18. Period is inverse of

- A Frequency
- B. Phase
- C Amplitude
- D Signals

19. Command to find the timezone under which a database is operating ?

- A. select time from dual
- B. select dbtimezone from dual
- C. select dbtimezone from dual
- D. select timezone from dual

20.

```
int arr[] = {1,2,3,4};
int count;
incr() {return ++count;}
main() {
arr[count++] = incr;
printf("arr(count = %d\n", arr[count]); }
```

 The value printed is

- A. 1
- B. 2
- C. 3
- D. 10

21. Which of the following does not affect the resolution of a video display image ?

- A. bandwidth
- B. screen size
- C. raster scan rate
- D. vertical & horizontal lines of resolution

22. Berkeley Software Distribution (BSD) is series of

- A. Microsoft Windows OS
- B. Linux OS
- C. UNIX OS
- D. Window Vista OS

23. A term associated with comparison of processing speeds of different computer systems is ?

- A. EFTS
- B. MPG
- C. MIPS
- D. CPS

24. If the SQL statement

`SELECT NEXT_DAY('01-SEP-95','FRIDAY') FROM DUAL;`

prints 08-SEP-95 then

what will the SQL statement

`SELECT NEXT_DAY('01-SEP-95','SATURDAY') FROM DUAL;` prints ?

- A. 09-SEP-95
- B. 02-SEP-95
- C. 05-SEP-95
- D. 05-SEP-95

WRITTEN TEST FOR MFCEP OF TECH. ASST. (COMPUTER PROGRAMMER) A TO B

25. If the two strings are identical, then strcmp() function returns
- A. -1 B. 1 C. 0 D. Yes
26. Field of MAC frame that alerts receiver and enables it to synchronize is known as
- A SFD B. Preamble C source address D.destination address
27. In C language, what is the function used to allocate a block of memory
- A. calloc() B. realloc() C. free() D. malloc()
28. The physical location of a record is determined by a mathematical formulae transforms a file key into a record location is
- A. B tree file B. an indexed file C. hashed file D. a sequential file
29. Dirty bit for a page table
- A. helps avoid unnecessary writes on a paging device
B. helps maintain LRU information
C. allows only read on a page
D. allows to write a page
30. Round robin scheduling
- A. is complex to implement
B. allows interactive tasks quicker access to the processor
C. allows processor bound tasks more time in the processor
D. give each task same chance at the processor
31. The best method for allocating is
- A. Contiguous B. Linked C. Index D. Doubly linked
32. Relation produced from an E-R model will always be in
- A. First Normal Form B. Second Normal Form
C. Third Normal Form D. Fourth Normal Form
33. The hamming code is used in digital computer to
- A. detect error B. correct the error
C. either detect or correct D. both detect and correct the error
34. What is the meaning of the following SQL statement ?
- SELECT EMP.JOB_ID,BIODATA.NAME FROM EMP,BIODATA WHERE
EMP.ECODE=BIODATA.ECODE**
- A. Select all employees from table EMP and BIODATA
B. Select all employees who does not have entry in EMP and BIODATA
C. Select all employees who has entry in EMP and BIODATA
D. Select all employees who has entry in EMP

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35. Select the chip that an active hub contains
- A. multiport repeater chip
 - B. UART
 - C. 386SX
 - D. 8086
36. During networking the process of the CPU asking each terminal whether it wants to send a message is called
- A. queing
 - B. sharing
 - C. communicating
 - D. polling
37. In three-tier architecture, intermediate layer between database and client servers is classified as
- A. unctional server
 - B transaction server
 - C application server
 - D disk server
38. Which of the following is unipolar, very high speed, difficult to fabricate and offers good resistance to radiation ?
- A. ECL
 - B. Ga As
 - C. TTL
 - D. CMOS
39. A semaphore is
- A. condition of deadlock
 - B. used to share variables
 - C. synchronization of multiple processes
 - D. used to stop process
40. Routing processor searching for routing table is called
- A switch fabric
 - B buffer
 - C table lookup
 - D rolling table
41. Error detection at a data level is achieved by
- A. bit stuffing
 - B. CRC
 - C. hamming code
 - D. equalization
42. IN OSI network architecture , the routing is performed by
- A. network layer
 - B. datalink layer
 - C. transport layer
 - D. session layer
43. Fork in unix is
- A. an editor
 - B. used to create a process
 - C. a programming language
 - D. used to display network status

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44. Which SQL keyword is used to sort the result-set?
A. ORDER B. SORT C. ORDER BY D. SORT BY
45. Which command is used to establish a link between two database files
A. Insert B. Update
C. Browse D. Set relation
46. Synchronous transmission data from various users ?
A. require header B. do not require header
C. sometimes require header D. Require parity.
47. Which language has become defacto standard for interfacing application program with relational database system ?
A. Oracle B. SQL C. dbase D. 4GL
48. The loss in signal power as light travels down the fibre is called
A. attenuation B. propagation
C. scattering D. interruption
49. What is the purpose of grep command ?
A. lists the running processes B. lists current users
C. String Search D. shows the group
50. The getch() library function returns
A. character when any key is pressed
B. character when enter key is pressed
C. displays a character
D. displays cursor

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ANSWER KEY

1	C	2	C	3	A
4	C	5	A	6	C
7	B	8	C	9	C
10	C	11	B	12	C
13	A	14	B	15	A
16	A	17	D	18	A
19	C	20	C	21	B
22	C	23	C	24	B
25	C	26	B	27	D
28	C	29	A	30	D
31	B	32	C	33	D
34	C	35	A	36	D
37	C	38	D	39	C
40	C	41	B	42	A
43	B	44	C	45	D
46	B	47	B	48	A
49	C	50	B		