

CSC Previous Year Placement Paper 2

1. In 8051 micro controller what is the HEX number in the accumulator after the execution of the following code.

MOV A,#0A5H

CLR C

RRC A

RRC A

RL A

RL A

SWAP A

a)A6 b)6A c)95 d)A5.

2. The Pentium processor requires ----- volts.

a)9 b)12 c)5 d)24.

3. The data bus on the Celeron processor is-----bits wide.

a)64 b)32 c)16 d)128.

4. K6 processor

a) Hitachi b) toshiba c) zilog d) AMD.

5. What is the control word for 8255 PPI,in BSR mode to set bit PC3.

a)0EH b)0FH c)07H d)06H.

6. The repeated execution of a loop of code while waiting for an event to occur is called -----The cpu is not engaged in any real productive activity during this period,and the process doesn't progress towards completion.

a) dead lock b) busy waiting c) trap door d) none.

7. Transparent DBMS is defined as

a) A DBMS in which there are no program or user access languages. b) A DBMS which has no cross file capabilities but is user friendly and provides user interface management. c) A DBMS which keeps its physical structure hidden from user d) none.

8. Either all actions are carried out or none are.users should not have to worry about the effect of incomplete transctions.DBMS ensures this by undoing the actions of incomplete transctions.this property is known as

a) Aggregation b) atomicity c) association d) data integrity.

9.----- algorithms determines where in available to load a program. common methods are first fit,next fit,best fit.----- algorithm are used when memory is full , and one process (or part of a process) needs to be swaped out to accommodate a new program.The ----- algorithm determines which are the partions to be swaped out.

- a) placement, placement, replacement
- b) replacement, placement, placement
- c) replacement, placement, replacement
- d) placement, replacement, replacement

10. Trap door is a secret undocumented entry point into a program used to grant access without normal methods of access authentication.A trap is a software interrupt,usually the result of an error condition.

a>true b>false.

11. Given a binary search tree,print out the nodes of the tree according t5o post order traversal.

4

/\
2 5

2 5

/\
1 3

1 3

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

12. which one of the following is the recursive travel technique.

a)depth first search b)preorder c)breadth first search d)none.

13. which of the following needs the requirement to be a binary search tree.

a) 5

/\
2 7

/

1

1

b) 5

/\
6 7

6 7

c) 5

/\
2 7

2 7

^

1 6

d) none.

14. in recursive implementations which of the following is true for saving the state of the steps

- a) as full state on the stack
- b) as reversible action on the stack
- c) both a and b
- d) none

15. which of the following involves context switch

- a) privileged instruction
- b) floating point exception
- c) system calls
- d) all
- e) none

16. piggy backing is a technique for

- a) acknowledge
- b) sequence
- c) flow control

d)retransmission

17. a functional dependency XY is _____dependency if removal of any attribute A from X means that the dependency does not hold any more

a)full functional

b) multi valued

c)single valued

d)none

18. a relation schema R is in BCNF if it is in _____and satisfies an additional constraints that for every functional dependency XY,X must be a candidate key

a)1 NF

b)2 NF

c)3 NF

d)5 NF

19. a _____sub query can be easily identified if it contains any references to the parent sub query columns in the _____ clause

A) correlated ,WHERE

b) nested ,SELECT

c) correlated,SELECT

d) none

20. hybrid device that combines the features of both bridge and router is known as

a)router b)bridge c)hub d)router

21. which of the following is the most crucial phase of SDLC

a)testing b)code generation c) analysis and design d)implementation

22. to send a data packet using datagram ,connection will be established

a)no connection is required

b) connection is not established before data transmission

c)before data transmission

d)none

23. a software that allows a personal computer to pretend as as computer terminal is

a) terminal adapter

b)terminal emulation

c)modem

d)none

24. super key is

- a) same as primary key
- b) primary key and attribute
- c) same as foreign key
- d) foreign key and attribute

25. In binary search tree which traversal is used for ascending order values

- a) Inorder b)preorder c)post order d)none

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