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1. If the time quantum is too large, Round Robin scheduling degenerates to

(a) Shortest Job First Scheduling
(b) Multilevel Queue Scheduling
(c) FCFS
(d) None of the above

Ans. (c)
2. Transponders are used for which of the following purposes

(a) Uplinking
(b) Downlinking
(c) Both (a) and (b)
(d) None of the above

Ans. (c)

3. The format specifier "-%d" is used for which purpose in C

(a) Left justifying a string
(b) Right justifying a string
(c) Removing a string from the console
(d) Used for the scope specification of a char[] variable

Ans. (a)
4. A sorting algorithm which can prove to be a best time algorithm in one case and a worst time algorithm in worst case is

(a) Quick Sort
(b) Heap Sort

Companies

- 3i Infotech
- AAI
- ABACUS
- ABB
- Accel Frontline
- Accenture
- Aditi
- Adobe
- ADP
- Agreeya
- Akamai

- Alcatel Lucent
- Allfon
- Alumnus
- Amazon
- Amdocs
- AMI
- Andhra Bank
- AppLabs
- Apps Associates
- Aricent
- Ashok Leyland
- Aspire
- Atos Origin
- Axes
- Bajaj
- Bank of Maharashtra
- BEL
- BEML
- BHEL
- BirlaSoft
- Blue Dart
- Blue Star
- BOB
- BPCL
- BPL
- Brakes
- BSNL
- C-DOT
- Cadence
- Calsoft
- Canara Bank
- Canarys
- Capgemini
- Caritor
- Caterpillar
- CDAC
- CGI
- Changepond

(c) Merge Sort
(d) Insert Sort

Ans. (a)

5. What details should never be found in the top level of a top-down design?

(a) Details
(b) Coding
(c) Decisions
(d) None of the above

Ans. (c)

6. In an absolute loading scheme, which loader function is accomplished by assembler

(a) Reallocation
(b) Allocation
(c) Linking
(d) Both (a) and (b)

Ans. (d)

7. Banker's algorithm for resource allocation deals with

(a) Deadlock prevention
(b) Deadlock avoidance
(c) Deadlock recovery
(d) None of these

Ans. (b)

8. Thrashing can be avoided if

(a) The pages, belonging to the working set of the programs, are in main memory
(b) The speed of CPU is increased
(c) The speed of I/O processor are increased
(d) All of the above

Ans. (a)

9. Which of the following communications lines is best suited to interactive processing applications?

(a) Narrowband channels
(b) Simplex channels
(c) Full-duplex channels
(d) Mixed band channels

Ans. (b)

10. A feasibility document should contain all of the following except

(a) Project name
(b) Problem descriptions
(c) Feasible alternative
(d) Data flow diagrams

Ans. (d)

11. What is the main function of a data link content monitor?

(a) To detect problems in protocols
(b) To determine the type of transmission used in a data link
(c) To determine the type of switching used in a data link
(d) To determine the flow of data

Ans. (a)

12. Which of the following is a broadband communications channel?

(a) Coaxial cable
(b) Fiber optic cable
(c) Microwave circuits
(d) All of the above

Ans. (d)

13. Which of the following memories has the shortest access time?

(a) Cache memory
(b) Magnetic bubble memory
(c) Magnetic core memory
(d) RAM

Ans. (a)

- Hexaware
- Honeywell
- HP
- HPCL
- HSBC
- Huawei
- Hughes
- IBM
- IBS
- ICICI
- iGate
- Impetus
- iNautix
- Indian Airforce
- Indian Airlines
- Infosys
- Infotech
- Intec
- Integra
- Intergraph
- IOCL
- iSOFT
- ISRO
- Ittiam
- JSW
- Keane
- Kenexa
- L & T
- L & T Infotech
- LG Soft
- Lifetree
- LionBridge
- Mahindra Satyam
- Mastek
- Maveric
- McAfee
- MECON
- Microsoft

14. A shift register can be used for

(a) Parallel to serial conversion
(b) Serial to parallel conversion
(c) Digital delay line
(d) All the above

Ans. (d)

15. In which of the following page replacement policies, Balady's anomaly occurs?

(a) FIFO
(b) LRU
(c) LFU
(d) NRU

Ans. (a)

16. Subschema can be used to

(a) Create very different, personalised views of the same data
(b) Present information in different formats
(c) Hide sensitive information by omitting fields from the sub-schema's description
(d) All of the above

Ans. (d)

17. A 12 address lines maps to the memory of

a. 1k bytes b. 0.5k bytes c. 2k bytes d. none

Ans: b

18. In a processor these are 120 instructions . Bits needed to implement this instructions

[a] 6 [b] 7 [c] 10 [d] none

Ans: b

19. In a compiler there is 36 bit for a word and to store a character 8bits are needed. IN this to store a character two words are appended .Then for storing a K characters string, How many words are needed.

[a] 2k/9 [b] (2k+8/9 [c] (k+8/9 [d] 2*(k+8/9 [e] none

- MindTree
- Miraclesoft
- Mistral
- Motorola
- Mphasis
- MTNL
- NIC
- Nokia Siemens
- Novell
- NTPC
- Nucleus
- ORACLE
- Patni
- Perot
- Polaris
- Ramco
- Robert Bosch
- Samsung
- SAP
- Sapient
- Sasken
- SBI
- Sierra Atlantic
- Sonata
- Sony India
- Sutherland
- Syntel
- TCS
- Tech Mahindra
- VeriFone
- Virtusa
- Wipro
- Zensar

Ans: a

20. Virtual memory size depends on

[a] address lines [b] data bus

[c] disc space [d] a & c [e] none

Ans : a

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