Interview:    ABACUS TECHNICAL QUESTIONS (Part -1)  
   
1. A 2MB PCM(pulse code modulation) has  
 a) 32 channels b) 30 voice channels & 1 signalling channel.  
c) 31 voice channels & 1 signalling channel.  
d) 32 channels out of which 30 voice channels, 1 signalling channel, &   
1 Synchronizatio channel. Ans : (c)  
  
 2. Time taken for 1 satellite hop in voice communication is  
 a) 1/2 second b) 1 seconds c) 4 seconds d) 2 seconds Ans : (a)  
  
 3. A dishonest shopkeeper professes to sell pulses at the cost price, but he uses a false weight of 950gm. for a kg. His gain is ...%.  
   
 4. Max number of satellite hops allowed in voice communication is :  
 a) only one b) more than one c) two hops d) four hops Ans : (c)  
   
5. Conditional results after execution of an instruction in a micro processor is stored ina) register b) accumulator c) flag register d) flag register   
part of PSW(Program Status Word)  Ans : (d)  
  
 6. Frequency at which VOICE is sampled is  
 a) 4 Khz b) 8 Khz c) 16 Khz d) 64 Khz Ans : (a)  
  
 7. Line of Sight is   
 a) Straight Line b) Parabolic c) Tx & Rx should be visible to each other  
d) none Ans : (c)  
  
 8. Purpose of PC(Program Counter) in a MicroProcessor is  
 a) To store address of TOS(Top Of Stack)  
b) To store address of next instruction to be executed.  
c) count the number of instructions.  
d) to store base address of the stack. Ans : (b)  
  
 9. What action is taken when the processor under execution is interrupted by a  
non-maskable interrupt?  
 a) Processor serves the interrupt request after completing the execution of the current instruction.  
b) Processor serves the interupt request after completing the current task.  
c) Processor serves the interupt request immediately.  
d) Processor serving the interrupt request depends upon the priority of the current task under execution. Ans : (a)  
10.  
  
 The status of the Kernel is  
 a) task b) process c) not defined. d) none of the above. Ans : (b)  
  
 11. To send a data packet using datagram , connection will be established  
 a) before data transmission.  
b) connection is not established before data transmission.  
c) no connection is required.  
d) none of the above. Ans : (c)  
  
 12. Word allignment is  
 a) alligning the address to the next word boundary of the machine.  
b) alligning to even boundary.  
c) alligning to word boundary.  
d) none of the above. Ans : (a)  
   
13. When a 'C' function call is made, the order in which parameters passed to the  
function are pushed into the stack is   
 a) left to right b) right to left  
c) bigger variables are moved first than the smaller variales.  
d) smaller variables are moved first than the bigger ones.  
e) none of the above. Ans : (b)  
  
 14. What is the type of signalling used between two exchanges?  
 a) inband b) common channel signaling c) any of the above  
d) none of the above. Ans : (a)  
  
 15. Buffering is   
 a) the process of temporarily storing the data to allow for small variation in device speeds  
b) a method to reduce cross talks  
c) storage of data within transmitting medium until the receiver is ready to receive.  
d) a method to reduce routing overhead. Ans : (a)  
  
 16. Memory allocation of variables declared in a program is  
 a) allocated in RAM. b) allocated in ROM. c) allocated on stack.  
d) assigned to registers. Ans : (c)  
  
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 17. A software that allows a personal computer to pretend as a computer terminal is   
 a) terminal adapter b) bulletin board c) modem d) terminal emulation  
Ans : (d)  
  
 18. Find the output of the following program  
 int \*p,\*q;  
p=(int \*)1000;  
q=(int \*)2000;  
printf("%d",(q-p)); Ans : 500  
  
 19. Which addressing mode is used in the following statements:  
 (a) MVI B,55 (b) MOV B,A (c) MOV M,A  
  
Ans. (a) Immediate addressing mode.  
(b) Register Addressing Mode  
(c) Direct addressing mode  
  
 20. RS-232C standard is used in \_\_\_\_\_\_\_\_\_\_\_\_\_.   
Ans. Serial I/O  
   
 21. Memory. Management in Operating Systems is done by  
 a) Memory Management Unit  
b) Memory management software of the Operating System c) Kernel  
Ans : (b)  
  
 22. What is done for a Push opertion?Ans : SP is decremented and then the  value is stored.  
  
23. Binary equivalent of 52   
Ans. 110100  
  
24. Hexadecimal equivalent of 3452   
Ans. 72A  
  
25. Explain Just In Time Concept ?   
Ans. Elimination of waste by purchasing manufacturing exactly when needed  
  
26. A good way of unit testing s/w program is   
Ans. User test  
  
27. OOT uses   
Ans. Encapsulated of detect methods  
  
28. EDI useful in   
Ans. Electronic Transmission  
  
29. MRPII different from MRP   
Ans. Modular version of man redundant initials  
  
30. Hard disk time for R/W head to move to correct sector   
Ans. Latency Time  
  
31. The percentage of times a page number bound in associate register is called  
   
Ans. Bit ratio  
  
 32. Expand MODEM   
Ans. Modulator and Demodulator  
  
33. RDBMS file system can be defined as   
Ans. Interrelated  
  
34. Super Key is   
Ans. Primary key and Attribute  
  
35. Windows 95 supports  
 (a) Multiuser (b) n tasks (c) Both (d) None   
Ans. (a)  
  
36. In the command scanf, h is used for   
  
Ans. Short int  
  
 37. A process is defined as   
   
Ans. Program in execution  
  
 38. A thread is   
   
Ans. Detachable unit of executable code)  
  
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Ans. Detachable unit of executable code)  
  
 40. How is memory management done in Win95   
   
Ans. Through paging and segmentation  
  
 41. What is meant by polymorphism  
   
Ans. Redfinition of a base class method in a derived class  
  
 42. What is the essential feature of inheritance   
   
Ans. All properties of existing class are derived  
  
 43. What does the protocol FTP do  
   
Ans. Transfer a file b/w stations with user authentification  
  
 44. In the transport layer ,TCP is what type of protocol   
Ans. Connection oriented  
   
 45. Why is a gateway used   
Ans. To connect incompatible networks  
   
 46. How is linked list implemented   
Ans. By referential structures  
   
 47. What method is used in Win95 in multitasking   
Ans. Non preemptive check  
   
 48. What is a semaphore   
Ans. A method synchronization of multiple processes  
  
49. What is the precedence order from high to low ,of the symbols ( ) ++ /  
   
Ans.( ) , ++, /  
  
 50. Preorder of A\*(B+C)/D-G   
 Ans.\*+ABC/-DG  
   
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