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 Synchronization 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 Micro Processor 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 interrupt request after completing the current task.

c) Processor serves the interrupt 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 tr Ans: mission.

b) connection is not established before data tr Ans: mission.

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 signalling

 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 tr Ans: mitting 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)

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 Tr
 Ans: mission

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)

39.A thread is
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: . Redefinition 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 AnsTr
Ans: fer a file b/w stations with user authentication

44.In the tr
Ansport 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-pre-emptive 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

51.What is the efficiency of merge sort
Ans: . O(n log n)

52.In which layer are routers used
Ans: .In network layer

53.Which of the following sorting algorithm has average sorting behaviour --Bubble sort, merge sort, heap sort, exchange sort
Ans: . Heap sort

54. In binary search tree which traversal is used for getting ascending order values--In order, post order, preorder
Ans: .In order

55. What are device drivers used for
Ans: .To provide software for enabling the hardware