

## **SECTION A - COMPUTER FUNDAMENTALS**

1. A physical connection between the microprocessor memory and other parts of the microcomputer is known as:  
A. Path                      B. Address bus                      C. Route                      D. All of the above
2. The terminal device that functions as a cash register, computer terminal, and OCR reader is the:  
A. Data collection terminal                      B. OCR register terminal                      C. Video Display terminal                      D. POS terminal
3. The accuracy of the floating-point numbers representable in two 16-bit words of a computer is approximately:  
A. 16 digits                      B. 6 digits                      C. 9 digits                      D. All of above
4. What type of control pins are needed in a microprocessor to regulate traffic on the bus, in order to prevent two devices from trying to use it at the same time?  
A. Bus control                      B. Interrupts                      C. Bus arbitration                      D. Status
5. How many address lines are needed to address each machine location in a 2048 x 4 memory chip? A. 10                      B. 11                      C. 8                      D. 12
6. A high quality CAD system uses the following for printing drawing and graphs:  
A. Dot matrix printer                      B. Digital plotter                      C. Line printer                      D. All of the above
7. Which network is a packet switching network? A. Ring network                      B. LAN                      C. Star network                      D. EuroNET
8. A number which is stored and processed but not in the standard exponential form is called:  
A. Floating point number                      B. Fixed point number                      C. Octal number                      D. Decimal number
9. An operating system intended for use on microprocessor based systems that support a single user is:  
A. PC-DOS                      B. MS-DOS                      C. UNIX                      D. CP/M
10. The speed imbalance between the main memory and central processor is avoided by using:  
A. Cache memory                      B. Flash memory                      C. Secondary memory                      D. All of the above
11. Which is known as quasi static RAM? A. SDRAM                      B. SGRAM                      C. iRam                      D. All of the above
12. Before a disk drive can access any sector record, a computer program has to provide the record's disk address. What information does this address specify?  
A. Track number                      B. Sector number                      C. Surface number                      D. All of above
13. An index register that is automatically incremented or decremented with each use is:  
A. Auto index                      B. Asynchronous                      C. Assembler                      D. Compiler
14. If in a computer, 16 bits are used to specify address in a RAM, the number of addresses will be:  
A. 216                      B. 65,536                      C. 64K                      D. Any of the above
15. A storage area used to store data to a compensate for the difference in speed at which the different units can handle data is:  
A. Memory                      B. Buffer                      C. Accumulator                      D. Address

## **SECTION B - ENGLISH**

**In the following section the sentences have been given in Direct or Indirect speech. From the given alternatives, choose the most appropriate sentence that best suits the given sentence in Indirect or Direct speech.**

16. "Where will you be tomorrow," I said, "in case I have to ring you?"  
A. I asked where he would be the next day in case I had to ring him                      B. I asked where you will be the next day in case I will ring him  
C. I said to him where he will be in case I have to ring him                      D. I enquired about his where abouts the next day in case I would have to ring up
17. Rohit said, "We passed by a beautiful lake when we went on a trip to Goa."

- A. Rohit said that they had passed by a beautiful lake when they went on a trip to Goa  
 B. Rohit said that they had passed by a beautiful lake when they had gone on a trip to Goa  
 C. Rohit said that they passed by a beautiful lake when they had gone on a trip to Goa  
 D. Rohit said they passed by a beautiful lake when they went on a trip to Goa

**18.** He said to the interviewer, "Could you please repeat the question?"

- A. He requested the interviewer if he could please repeat the question      B. He requested the interviewer to please repeat the question  
 C. He requested the interviewer if he could repeat the question              D. He requested the interviewer to repeat the question

**19.** "How clever of you to have solved the puzzle so quickly," said the mother.

- A. The mother told that he was very clever in solving the puzzle so quickly.  
 B. The mother exclaimed with joy that he was clever enough to solve the puzzle so quickly.  
 C. The mother expressed that he was so clever to have solved the quickly.  
 D. The mother exclaimed admiringly that it was very clever of him to have solved the puzzle so quickly.

**In the following questions four alternatives are given for the idiom/phrase *italicised and underlined* in the sentence. Choose the alternative which best expresses the meaning of idiom/phrase.**

**20.** I did not mind what he was saying, he was only through his hat.

- A. talking nonsense      B. talking irresponsibly      C. talking insultingly      D. talking ignorantly

**21.** The party stalwarts have advised the President to take it lying down for a while.

- A. to be on the defensive      B. to be cautious      C. to show no reaction      D. to take rest

**22.** The speaker gave a bird's eye view of the political conditions in the country.

- A. a detailed presentation      B. a general view      C. a personal view      D. a biased view

**23.** When he tells stories about himself, he is inclined to draw the long bow.

- A. get emotional      B. get excited      C. understate      D. exaggerate

**Select the word or phrase which is synonymous in meaning to the word in bold.**

**24. Frugal**      A. invention      B. to whisper      C. explore      D. economical

**25. Kernel**      A. core      B. hungry      C. expose      D. impose

**26. Effusive**      A. confused      B. decorate      C. lifeless      D. impartial

**27. Quell**      A. to suppress      B. to hesitate      C. to plead      D. to review

**Select the word or phrase which is opposite in meaning to the word in bold.**

**28. ACCORD**      A. Act      B. Concord      C. Dissent      D. Solution

**29. MITIGATE**      A. Calm      B. Intensify      C. Abate      D. Compose

**30. CAPRICIOUS**      A. Approximate      B. Capricious      C. Discretionary      D. Rational

**31. BRISK**      A. Sluggish      B. Bustling      C. Agile      D. Nimble

**In questions below, each passage consist of six sentences. The first and sixth sentence are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.**

**32. Sentence 1:** Calcutta unlike other cities keeps its trams.

**Sentence 6:** The foundation stone was laid in 1972

P : As a result there is horrendous congestion.

Q : It was going to be the first in South Asia.

R : They run down the centre of the road

S : To ease in the city decided to build an underground railway

The Proper sequence should be:

A. PSQR

B. PRSQ

C. SQRP

D. RPSQ

**33. Sentence 1:** We now know that the oceans are very deep.

**Sentence 6:** This reaches from the India to the Antarctic.

P : For example, the Indian ocean has a range called the Indian Ridge.

Q : Much of it is fairly flat.

R : However, there are great mountain ranges as well.

S : On average the bottom is 2.5 miles to 3.5 miles down

The Proper sequence should be:

A. PQSR

B. RSQP

C. SQPR

D. QPRS

**34. Sentence 1:** It was a dark moonless night.

**Sentence 6:** They all seemed to him to be poor and ordinary mere childish words.

P : He turned over the pages, reading passages here and there.

Q : He heard them on the floor.

R : The poet took down his books of poems from his shelves.  
almost forgotten.

S : Some of them contained his earliest writings which he had

The Proper sequence should be:

1. RQSP

2. RPSQ

3. RPQS

4. RSPQ

**From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.**

**35.** They have built a perfect dam across the river.

A. Across the river a perfect dam was built.

B. A perfect dam has been built by them across the river.

C. A perfect dam should have been built by them.

D. Across the river was a perfect dam.

**36.** She spoke to the official on duty.

A. The official was spoken to by her on duty.

B. The official on duty was spoken to by her

C. She was spoken to by the official on duty.

D. She was the official to be spoken to on duty.

**37.** A child could not have done this mischief.

A. This mischief could not have been done by a child.

B. This mischief could not be done by a child.

C. This mischief could not been done by a child.

D. This mischief a child could not have been done.

**Study the following passage and answer the questions accordingly**

The window offered a view of the house opposite. The two families did not speak to each other because of a property dispute. One day, Ruchira's textbooks lay untouched as the young girl's gaze was on the happenings in the house opposite. There were two new faces in the neighbouring household – that of an elderly widow and a girls aged sixteen. Some times the elderly lady would sit by the window, doing the young girl's hair. On other days she was absent.

The new young neighbour's daily routine could be seen through the window – she cleaned the rice paddy; split nuts, put the cushions in the sun to air them. In the afternoons while the men were all at world some of the women slept and others played cards. The girl sat on the terrace and read. Sometimes she wrote. One day there was hindrance. She was writing when the elderly woman snatched the unfinished letter from her hands. Thereafter the girl was not to be seen on the terrace. Sometimes during the day sounds came from the house indicating that a massive argument was going on inside.

