

Paper-I
Paper 01 Informatics
Maximum : 100 Score

General Instructions to Candidates.

- Read Questions carefully before answering.
- All questions are compulsory and only internal choice is allowed.
- When you select a question, all the sub questions must be answered from the same question itself.
- Electronic devices except non programmable calculator are not allowed in the Examination Hall.

SECTION-I
(Answer all questions)

(6 x 1=6)

1. Computer can _____, _____ and _____ date as when desired.
2. 1 GB is _____ MB.
3. Another name of serial port is _____
4. _____ is the fastest memory.
5. LCD stands for _____
6. _____ translate programs written in high level language into its equivalent machine code one statement at a time and execute it.

SECTION-II
(Answer all questions)

(5x 1=5)

7. One nibbel means _____
a) 2 bit b) 4 bit c) 8 bit d) 1024 bytes
8. Primary memory is made up of _____
a) Registers b) caches c) flip flops d) Blue Ray
9. A printer that adopt impact technology is _____
a) Thermal Printer b) Ink-jet printer
c) Laser Printer d) Dot Matrix Printer
10. Software piracy is _____
a) Spy ware b) Cookie
c) Licensing d) Act of Pirates
11. Intellectual property right is _____
a) US Law b) Indian Law
c) International Law d) Copy rights and Patent Law

SECTION-III
(Answer all questions)

(10x 2=20)

12. List the advantages of third generation computers.
13. Mention about Motherboard .
14. Draw the block diagram of functional units of computer.
15. What is L1 and L2 cache?
16. Distinguish between SRAM & DRAM
17. What is Plotter?
18. What do you mean by soft copy output?
19. What is Mobile OS?
- 20. State the difference between compiler and assembler.
21. Write the main applications of IT in entertainment.

SECTION-IV
(Answer any Nine questions)

(9 x 5=45)

22. Write about limitations of first generation computers.
23. Describe supercomputer.
24. Explain bus connections of a computer with a block diagram.
25. State the need for memory hierarchy. Illustrate the flow of data and information through various memory elements with a block diagram.
26. Explain the working of scanners and OMR. How they can be applied for the recruitment process?
27. discuss the functions of a operating system.
28. Explain in detail about **e-education** and **e-learning**.
29. What is **e-commerce**? Explain online trading and netbanking.
30. Write a short note on Malicious software.
31. Discuss the different aspects of the term "free software"

SECTION-V
(Answer any three questions)

(3 x 8=24)

32. How many computer generations are evolved till date? Explain each generation with their progress.
 33. Name three magnetic and optical storage devices. Explain their functions in detail.
 34. Classify the programming language in difficult categories. Explain them in detail.
 35. Describe in detail the role of IT in business, e- Governance, Office Automation and health care.
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