DC -01 INFORMATICS

Time : 2 ½ hrs.

Max. Mark : 100

SECTION I
(Answer all questions)   6 x 1 = 6

1.   _____ was the main component of second generation computers.
2.   One byte is _____ bits.
3.   DVD stands for _____
4.   Storage capacity of a 3.5 inch floppy disk is _____
5.   In a _____ Operating System environment, a computer can perform more than one job at a time.
6.   Selling, purchasing of goods and service over the internet is called _____

SECTION II
(Answer all questions)   5 x 1 = 5

7.   1 Kilo Byte is _____
     a. 1000 bits   b. 1000 bytes   c. 1024 bits   d. 1024 bytes
8.   Which one of the following is an Operating System
     a. Java   b. Linux   c. MS-Office   d. C++
9.   A set of programs, designed to control and manage a computer system is called _____
     a. Application software   b. Antivirus
     c. System software   d. Firmware
10. Pick the odd one out.
     a. Keyboard   b. Plotter
     c. Printer   d. Monitor
11. Which of the following is an example of primary memory
     a. Monitor   b. RAM
     c. Hard disk   d. CDROM

SECTION III
(Answer all questions)   10 x 2 = 20

12. Define computer.
13. What is information?
14. What is bus?
15. Why cache memory included in computers?
16. Name any four secondary storage devices.
17. Define computer program.
18. What is utility programs?
19. What is meant by "Telemedicine"?
20. What are the different facilities of internet for communication purpose?
21. What is virtual classroom?

SECTION IV
(Answer any nine questions)   9 x 5 = 45

22. Explain the characteristics of a computer.
23. Differentiate between impact and non impact printers?
24. What is an output device? Name any four commonly used output device.
25. Differentiate between compiler and interpreter.
26. Write a short note on Malicious Software

27. Discuss the different aspects of the term "Free software".
28. Distinguish between RAM and ROM
29. Write short notes on e-Governance.
30. What are the application of information technology in medicine and health care?
31. Explain the application of computers in engineering and manufacturing field.

SECTION V
(Answer any three questions)   3 x 8 = 24

32. Draw a block diagram and explain the functional units of a computer system .
33. Explain computer generations.
34. What are pointing devices? Explain any four commonly used pointing devices.
35. What is an Operating System? Explain the functions of an operating system.