

Model Question paper: 2009-10**Second semester Diploma Examination - (CS & IS)****Introduction to Computer Concepts (Theory)**

Time: 3 Hours

Max. Marks: 100

Note: Answer any three full questions from each section.

Section – I

1. A. Fill in the blanks 1*5=5
- i)
 - ii)
 - iii)
 - iv)
 - v)
- B. What is joystick? How is it different from trackball? 5

Section –II

2. Draw a block diagram to illustrate the basic organization of a computer system and explain the functions of various units of computer system. 10
3. a) What is a radix of a system? 2
 b) Explain various types of number system 8
4. a) Explain different types of ROM 6
 b) Compare static with Dynamic RAM 4
5. Explain the working of Magnetic tape. What are its advantages & Disadvantages. 10

Section – III

6. Write a short note on CD-ROM & DVD 10
7. Define the following : 2 * 5 = 10
 i) OCR ii) OMR iii) MICR iv) ASCII v) Scanner.
8. a) Write a short note on Impact & Non – Impact Printers 10
 b) Write a flow chart to compute a factorial of a given number 10
9. With a neat block diagram, Explain the working principle of CRT. 10
10. a) Write a short note on Pseudo code 5
 b) what are the characteristics of a good program. 5

Section - IV

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| 11. a) What are the advantages of HLL over MLL | 4 |
| b) Explain different types of software | 6 |
| 12. a) Compare Compiler with Interpreter | 5 |
| b) What factors should be considered for selecting a good programming language. | 5 |
| 13. Define the following | 5*2 = 10 |
| a) Linker b) Loader c) Assembler d) Debugger e) Algorithm | |
| 14. a) Compare LAN V/s MAN | 4 |
| b) Define the following i) Internet ii) Search Engine iii) www | 6 |
| 15. Describe building blocks of Multimedia system | 10 |