Computer & Programming **Fundamentals**

[Maximum Marks: 90 Time: Three Hours] Note: - Question No. 1 is compulsory. Attempt Five questions in all (including compulsory questions), selecting ONE question from each unit. (a) Define Access time. (b) Distinguish between sofy-copy and Hard-copy output. (c) State the characteristics of non-impact printers. (d) Distinguish between multiprogramming and multiprocessing. (e) Define debugging. What is the complexity of selection sort? (f) (g) State advantages of e-mail. (h) What are difference between natural and computer 18 languages? UNIT - I Explain various components of computer by drawing a block

- diagram.
 - (b) Distinguish between analog and digital computers.
 - Compare Desktop, Laptop and palmtop computers. 18
- (a) Explain ROM and its types.
 - (b) Explain Flash Memory. What are its use and benefits?
 - Explain acess mechanism of optical disk. 18

UNIT - II

Explain the relationship between hardware and software. (b) What is a Virus? Describe the characteristics of viruses.

EBD UNIVERSITY QUESTION PAPER

	(e) Distinguish between application and system software.18
5.	Write short notes on:
	(a) Multiprogramming Operating System
	(b) Time Sharing Operating System. 18
	UNIT - III
6.	(a) Write an algorithm to find the H.C.F. of two numbers.
	(b) Explain various types of errors in a program. 18
7.	(a) Distinguish between Compiler and Interpreter.
	(b) Distinguish between machine language and assembly
	language.
	(c) Write a short note on pseudo code. 18
	UNIT - IV
8.	(a) Write an algorithm of bubble sort.
	(b) Explain binary search by using an example. 18
2/	What do you mean by network topology? Discuss various
	topologies along with advantages and disadvantages of each type
	of topology.