CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

Term-End Examination

December, 2020

CIT-001 : FUNDAMENTAL OF COMPUTER SYSTEM

Time: 2 Hours Maximum Marks: 50

Note: There are two sections in this paper–Section

A and Section B. All the questions from

Section A are compulsory. Attempt any
three questions from Section B.

Section—A

1. Choose correct options:

 $1 \times 10 = 10$

- (a) DTP stands for:
 - (i) Device Transfer Programs
 - (ii) Device Transfer Protocol
 - (iii) Desk Top Publishing
 - (iv) None of the above

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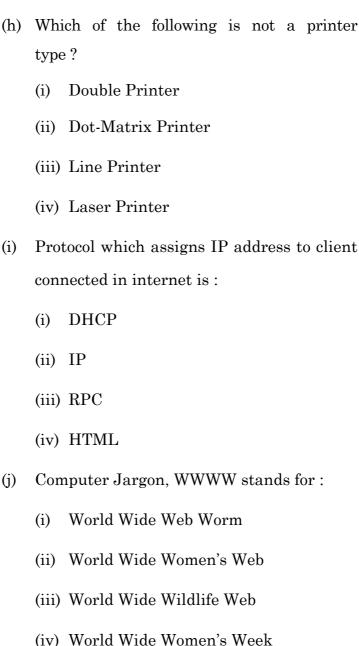
(b) A term associated with the comparison of processing speeds of different computer system is:

- (i) MIPS
- (ii) CPS
- (iii) EFTS
- (iv) None of the above
- (c) EPROM stands for:
 - (i) Erasable Programmable ROM
 - (ii) Electronic Programmable ROM
 - (iii) Electrically Programmable ROM
 - (iv) None of the above
- (d) Which device is used for reading answer sheet by means of light?
 - (i) OCM
 - (ii) OMR
 - (iii) MICR
 - (iv) None of the above

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(e)	Combination of two or more networks is called:		
		Internetwork	
	()	WAN	
		MAN	
	, ,		
	(1V)	LAN	
(f)	Which topology covers security, robust and		
	eliminating traffic factor?		
	(i)	Mesh	
	(ii)	Ring	
	(iii)	Star	
	(iv)	Bus	
(g)	Con	nputer virus program is usually hidden	
	in a/an:		
	(i)	Operating System	
	(ii)	Application Program	
	(iii)	Disk Driver	
	(iv)	Both (i) and (ii)	

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2. (a)	Explain the arithmetic operators in C with
	suitable examples. 5
(b)	List any <i>five</i> differences between .EXE and
	.COM files. 5
	Section—B
3. (a)	What are the <i>two</i> basic types of Modems? Compare between them. Also, write how the speed of modem is measured.
(b)	Define Virus and Anti-virus. Discuss the role of each in computer system.
4. (a)	Write a C program to determine if a given number is even or odd.
(b)	What is Virtual Memory? Explain its advantages.
5. (a)	Define an Operating System. Differentiate between the serial processing and batch processing.
(b)	Draw and explain the basic structure of a Von Neumann machine.

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6. (a) What are two basic methods of accessing information from various memory devices?Explain.5

- (b) Briefly describe how data are stored on storage devices.
- (c) What is a Gateway? How does it work? 3

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