

No. of Printed Pages : 6

CIT-001

**CERTIFICATE IN INFORMATION
TECHNOLOGY (CIT)**

Term-End Examination

June, 2023

**CIT-001 : FUNDAMENTALS OF
COMPUTER SYSTEMS**

Time : 2 Hours

Maximum Marks : 50



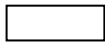

(Weightage : 75%)

Note : *All the questions from Section A are compulsory. Answer any **three** questions from Section B.*

Section—A

1. Answer the following multiple choice questions.
Only one of the answers is correct : $10 \times 1 = 10$
- (a) controls the entire operation of a computer.
- (i) ALU
 - (ii) CPU
 - (iii) RAM
 - (iv) None of the above

P. T. O.

- (b) Data stored in Hard Disk is :
- (i) Volatile
 - (ii) Non-volatile
 - (iii) Primary data
 - (iv) None of the above
- (c) Which of the following is not a type of printer ?
- (i) Laser printer
 - (ii) Dot-matrix printer
 - (iii) Screen printer
 - (iv) None of the above
- (d) Which symbol is used to show flow of data in a flow chart :
- (i) 
 - (ii) 
 - (iii) 
 - (iv) 

- (e) Which of the following is not an arithmetic operator in C ?
- (i) +
 - (ii) -
 - (iii) =
 - (iv) *
- (f) Range of Micro waves is :
- (i) 1 to 300 Gigahertz
 - (ii) 1 to 30 Megahertz
 - (iii) 1 to 300 Hertz
 - (iv) None of the above
- (g) Which topology can be used in LAN ?
- (i) Only Bus Topology
 - (ii) Only Ring Topology
 - (iii) Both Bus and Ring Topologies
 - (iv) None of the above

- (h) Which of the following is **not** a network device ?
- (i) Hub
 - (ii) Router
 - (iii) Repeater
 - (iv) None of the above
- (i) Which of the following is **not** a Trojan ?
- (i) Joke Trojan
 - (ii) NVP Trojan
 - (iii) Destructive Trojan
 - (iv) None of the above
- (j) A is a network point that acts as an entrance to another network.
- (i) Router
 - (ii) Gateway
 - (iii) Switch
 - (iv) Hub

2. (a) Explain the functions of a computer with the help of block diagram. 5
- (b) What is application software ? List the features of spreadsheet software. 5

Section—B

3. (a) What is information security ? Explain how is it different from computer security. 5
- (b) Explain different arithmetic operators in C programming language. 5
4. (a) Draw and explain flow chart for if-else statement. 5
- (b) What is computer network ? Describe the terms client and server in the context of computer networks. 5

5. (a) What is social engineering ? Explain its advantages. 5
- (b) Explain the use of any *two* output devices. 5
6. Briefly explain OSI (Open System Interconnection) reference model of computer networks. 10