



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with A+ Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – August 2025

SEMESTER I

Class: I UG

Major : Information Technology

Time: 2 Hours

Max. Marks: 60

23BITC01 –Fundamentals of Information Technology

Course Outcomes:

CO 1: Accomplish basic computer concepts knowledge, fundamental digital principles and architecture.

CO 2: Realize knowledge of IPR, Communication Process and Communication Media.

CO 3: Analyze the importance of networks and its types includes network protocols, architecture and network standardization.

CO 4: Gain knowledge about Multimedia and Virtual Reality (VR).

CO 5: Understand about the recent Information Technology concepts.

Part A

6 x 1 = 6

Choose the Correct Answer

1. Which of the following computers are lower than mainframe computers in terms of speed and storage capacity? CO1 K1
a) Super b) Mini c) Micro d) Both b and c
2. If A and B are the inputs of a half adder, the sum is given by _____. CO2 K2
a) A AND B b) A OR B c) A EXOR B d) A EX-NOR B
3. Modem convert _____ from one system into _____ to be transmitted over telephone lines. CO2 K3
a) Analog & digital b) analog & analog c) Microwave to infrared d) Digital to Digital
4. Which of the following is not a point-and-draw device?. CO1 K2
a) Track ball b) Keyboard c) Mouse d) Touch Screen
5. WAN consists of two or more _____. CO3 K2
a)MAN b) SAN c) WAN d) LAN
6. Physical or logical arrangement of network is _____. CO1 K3
a) Topology b) Routing c) Networking d) Control

Part B

3 x 6 = 18

Answer ALL questions

Each answer should not exceed 400 words or two pages

7. a) Categorize different types of computers. (OR) CO1 K4
b) Illustrate about the full adder with truth table. CO1 K3
8. a) Illustrate Full Subtractor with diagram. (OR) CO1 K1
b) Examine careers in IT. CO2 K3
9. a) Point out the Characteristics of telecommunication software (OR) CO2 K4
b) Demonstrate the Types of Networks with neat diagram. CO3 K2

Part C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a) Illustrate the use of different Input Devices in detail. (OR) CO1 K2
10 b) Explain about basic gates and universal gates in detail. CO1 K3
11. a) Outline about the Auxiliary Memory and storage devices. (OR) CO1 K5
11. b) illustrate communication media and its characteristics with neat diagram CO2 K4
12. a) Demonstrate different types of telecommunication processor. (OR) CO2 K1
b) Indicate the different Network Topologies with neat diagram. CO3 K2