AC-235484

M.Sc. (Semester-I)
Examination, Dec.-Jan. (2025-26)

COMPUTER SCIENCE

(Fundamental of Information Technology)

Time Allowed : Three Hours

Maximum Marks : 70

Note : Question paper is divided into four sections. Attempt questions of all four sections as per direction. Distribution of marks is given in each section.

SECTION-A

(Objective Type Questions)

Note : Attempt any **ten** questions. Each question carries **1** mark.   [10x1=10]

1.   (i)   Data obtained in the _____ form is called raw data.

(ii)   1 TB = _____ MB.

(iii) FAT stands for _____.

(iv)   In a _____ relationship the link is shared equally between devices.

(v)   What is Data Encryption Standard (DES) ?

(vi)   GIS represents a location in :

    (a)   1 Dimensional Coordinate

    (b)   2 Dimensional Coordinate

    (c)   3 Dimensional Coordinate

    (d)   4 Dimensional Coordinate

(vii) DRAM stands for :

    (a)   Disable Read Accurate Memory

    (b)   Drum Read Access Memory

    (c)   Dynamic Random Access Memory

    (d)   None of these

(viii) The process of dividing the disk into Track and Sectors is called :

    (a)   Tracking

    (b)   Allotting

    (c)   Crashing

    (d)   Formatting

(ix)   What operations mentioned are done by an Operating System?

    (a)   Maintaining Recycle Bin

    (b)   Transfer Files

    (c)   Opens a program

    (d)   All of the above

(x)   Which Topology has multipoint connection?

    (a)   Ring

    (b)   Bus

    (c)   Star

    (d)   Mesh

(xi) The entire hostname has a maximum of :

(a) 255 Characters

(b) 127 Characters

(c) 63 Characters

(d) 31 Characters

(xii) Based on which of the following parameters Artificial Intelligence is categorized?

(a) Functionally only

(b) Capabilities only

(c) Capabilities and functionally

(d) None of the above

SECTION-B

(Very Short Answer Type Questions)

Note: Attempt **any five** questions. Each question carries **2** marks. (Maximum Word Limit : 25-30 words) [5x2=10]

2. (i) Explain basic concept of IT.

(ii) What is CPU?

(iii) What is Firmware?

(iv) What is TCP/IP?

(v) What is WWW?

(vi) What is ARPANET?

(vii) What is M-Commerce?

SECTION-C

(Short Answer Type Questions)

Note: Attempt **any five** questions. Each question carries **4** marks. (Maximum Word Limit : 250 words) [5x4=20]

3. (i) Describe the classification of computer.

(ii) What is meant by Input Device? Describe any two input devices of computer.

(iii) What is object oriented programming?

(iv) What is Network Topology? Explain various types of Network Topology in brief.

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(v)   What is Domain Name System (DNS)?

(vi)   What is Internet Security? Describe various types of Internet Security.

(vii)   What is Cloude Computing?

SECTION-D

(Essay Type Questions)

Note: Attempt **any three** questions. Each question carries **10** marks. (Maximum 500 words)   [3x10=30]

4.   (i)   What is meant by Storage device? Describe storage device of a computer in detail.

    (ii)   What is Programming Language? Describe the generation of programming language in detail.

    (iii)   What is meant by Computer Network? Describe type and advantages of Computer Network.

    (iv)   What is Artificial Intelligence? Describe the advantages and types of Artificial Intelligence in detail.

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