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1 (Sem-1/Ar) COA

2024

(Held in 2025)

COMPUTER APPLICATION

Paper : COA0100404

(Fundamentals Of Computer Programming)

Full Marks : 45

Time : 2 hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks : 1×5=5
- (a) Full form of BIOS is _____.
 - (b) Full form of USB is _____.
 - (c) _____ is a character encoding standard.
 - (d) _____ is a diagrammatic representation of algorithm.
 - (e) Gray code is also known as _____.

Contd.

2. Define **any five** of the following terms :
2×5=10

(a) Flash memory

(b) SMPS

(c) RJ45

(d) NTFS

(e) FAT

(f) HDD

(g) BCD

(h) Algorithm

(i) Syntax

(j) Type conversion

3. Answer **any four** questions from the following :
5×4=20

(a) Write brief description about major components of a computer.

(b) Describe how signed integers are represented.

(c) What is bootstrapping? What is linker?

(d) Draw a flow chart to find average of a list of numbers.

(e) Describe elementary data types available in C language.

(f) Prepare a list of relational, logical and bitwise operators.

(g) Explain the difference between while and do-while loop with suitable example.

(h) Write brief description about pointer in C programming.

4. Answer **any one** of the following questions :
10×1=10

(a) Write a program to display the prime numbers within a given range.

(b) Write a program to multiply two matrices.

(c) Write a program to copy a text file to another file.

(d) Write short notes on :

(i) Types and functions of OS.

(ii) Static and register storage class.