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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.