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**7275/N**

**J-15/2110**

**INTRODUCTION TO COMPUTER &  
PROGRAMMING USING 'C'**

Paper-CS 405A/AMC 104A

Semester-I

Time Allowed : 3 Hours] [Maximum Marks : 40

**Note :** Attempt **two** questions each from Sections A and B carrying 7½ marks each and the entire Section C consisting of 10 short answer type questions carrying 1 mark each. Use of Scientific calculator is allowed.

**SECTION—A**

1. What is computer language? Differentiate between assembly language and high level language.
2. What is network topology? Explain the various types of Network topologies.

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3. Explain various types of bitwise operators with suitable examples.
4. What is flowchart? Write algorithm to print even numbers from 2 to 50.

**SECTION—B**

5. Differentiate between arrays and structures. Write a program to support your answer.
6. Explain various types of Storage Classes in detail with suitable examples.
7. What are Control Statements? Differentiate between while loop and Do While loop with suitable programming example.
8. What is a structure and pointer to structure? What are the different operations that can be performed on structures?

**SECTION—C**

9. Write brief answers :
  - (a) What is interpreter?
  - (b) What is recursion?

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- (c) What is datatype?
- (d) What is use of stdio.h file in c?
- (e) What is pre-processor?
- (f) Differentiate between RAM and EPROM.
- (g) What are arrays? Draw its structure.
- (h) What are unary operators?
- (i) What are binary files?
- (j) What is character set in c?