

732

## MCA-03

June/December – Examination 2020

### Master of Computer Application (Ist Year) Examination

Computer Programming Using C

Paper : MCA-03

*Time : 2 Hours ]*

*[ Maximum Marks : 80*

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*Note* :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

#### Section-A

8×2=16

#### (Very Short Answer Type Questions)

*Note* :- Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 2 marks.

1. (i) What is Pointer ?
- (ii) What is Algorithm ?

- (iii) Define Function.
- (iv) What do you mean by scope of a variable ?
- (v) Define Operator.
- (vi) What are Keywords ? Name any *four* keywords used in C language.
- (vii) What is Flow Chart ?
- (viii) Explain conditional operator used in C language with suitable example.

**Section-B** **4×16=64**

**(Short Answer Type Questions)**

**Note** :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 16 marks.

- 2. What is Program ? Describe some characteristics of a good program.
- 3. Explain any *five* string manipulation functions of C language with example.
- 4. What is Structure ? How is it different from Union ?
- 5. What is Recursion ? Explain it with a suitable example.

- 6. Explain the various functions used for Dynamic Memory Allocation.
- 7. How many types of operators in C language ? Explain each operator with suitable example.
- 8. What is Palindrome Number ? Write a program in C language to find that a given number is palindrome or NOT.
- 9. What is data type in C ? Explain all built in data types in C language with example.