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MCSL-017/S1

**Master of Computer Application  
(MCA)**

**Term-End Examination**

**December, 2018**

**'C' AND ASSEMBLY LANGUAGE  
PROGRAMMING**

*Time : 2 Hours*

*Maximum Marks : 50*

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- Note :**
- (i) There are *two* Sections in this paper.
  - (ii) Each Section is of one hour duration.
  - (iii) Each Section has *one* compulsory question of 20 marks.
  - (iv) Each Section has 5 marks for viva-voce separately.
  - (v) Attempt only those Section(s) in which you are not yet successful.
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(A-8) P. T. O.

**Section—A**  
**(‘C’ Programming)**

1. Write an interactive C program to do the following operations on matrices using a “SWITCH” statement to opt for any *one* option : 20

(i)  $C = A + B$

(ii)  $D = A \times B$

(iii)  $E = A - B$

where A, B are  $(2 \times 2)$  matrices.

**Section—B**

**(Assembly Language Programming)**

2. Write an 8086 assembly language program to convert a 3-digit decimal number to its hexadecimal equivalent. 20