

MCA-15**June/December – Examination 2020****Master of Computer Application
(II Year) Examination****System Programming****Paper : MCA-15***Time : 2 Hours]**[Maximum Marks : 80*

Note :- The question paper is divided into two Sections A and B. Write answers as per 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 do you understand by Compiler ?
- (ii) What is Interpreter ?
- (iii) What are the statement formats ?

- (iv) What is the meaning of Overlay ?
- (v) What is the concept of symbol and symbol resolution ?
- (vi) What is memory allocation ?
- (vii) Write about parsing.
- (viii) What is Finite State Automation ?

- 8. Describe Program execution activity.
- 9. Explain the working of the programming language grammar.

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. Discuss the 'Compile and Go' Loader.
- 3. Explain the concept of Relocation.
- 4. Discuss the advantages of assembly language.
- 5. Write about Mnemonic Operation Codes (*mnemonic opcodes*).
- 6. Discuss the concept of the operator return type.
- 7. Describe strings and terminal symbols.