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Roll No

MCADD-301

M.C.A. (Integrated Course), III Semester

Examination, May 2019

System Software

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Define software processors.
b) Discuss addressing modes.
2. a) Explain the general format of an assembly language statement.
b) Discuss the functioning of a two pass assembler.
3. a) Discuss instruction used in an assembly program.
b) What is relocation? Illustrate how a modification record is used in relocation of program?
4. a) Write the algorithm of absolute loader.
b) Explain briefly the design options of loaders.
5. a) What do you understand by macro? Explain nested macro calls.
b) Explain MNT and MDT.

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6. a) With a neat diagram, Explain the text editor structure.
b) What are debugging functions and capabilities.

7. a) List the user interface for editors with an example for each.
b) List the basic task of text editor.

8. Write short notes on :
 - i) C Macro language
 - ii) Bootstrap loader
