

Roll No.

Y – 3106

M.Sc. (Fourth Semester) EXAMINATION, May/June-2021

COMPUTER SCIENCE

Paper – 401

SYSTEMS PROGRAMMING

Time : Three Hours

Maximum Marks : 85 (For Regular Students)

Minimum Pass Marks : 29

Maximum Marks : 100 (For Private Students)

Minimum Pass Marks : 34

Note—Attempt *all* questions.

Unit-I

1. What do you mean by system programming ? Why and how is it useful ? Explain it with its characteristics & types of programming languages. Describe in detail.

17/20

Unit-II

2. What do you mean by Assembler ? How is it work, useful ? Describe it with its design & types in detail.

17/20

Unit-III

3. Describe the importance, working, features, design of macro-processor. Explain it with the relationship of an assembler in detail.

17/20

Unit-IV

4. What do you mean by loader ? How is it work ? Describe it with its types, schemes & design in detail.

17/20

Unit-V

5. Explain structure of a compiler with finite- automation & lexical analysis process in detail.

17/20

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