

Exam. Code : 107204

Subject Code : 1633

Bachelor of Computer Application (BCA)

4th Semester (Batch 2020-23)

SYSTEM SOFTWARE

Paper—IV

Time Allowed—3 Hours]

[Maximum Marks—75

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The fifth question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. What is system software and what are its components ?
2. What should be the salient features of a compiler ?

SECTION—B

3. Describe the data structures required in pass-one of an assembler.
4. How is macro expansion done ? Explain with an example.

SECTION—C

5. What are the different phases of the compilation process ?
6. What are cross and increment compilers ? Why do we need them ?

SECTION—D

7. What are the roles of a loader ? Explain.
8. Why do we need editors ? What should be its important features ?