ED-791

M.Sc. 4th Semester
Examination, May-June 2021

COMPUTER SCIENCE

Paper - I

Software Engineering

Time : Three Hours] [*Maximum Marks* : 100
[*Minimum Pass Marks* : 40

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (*a*) What is Software ? Explain software processes and characteristics.

   (*b*) Explain process development of spiral models.

   (*c*) Explain the nature of SRS.

---

(2)

Unit-II

2. (a) Explain Risk management.

   (b) Explain the difference between cohesion and coupling.

   (c) Explain the difference between function oriented design and object oriented design.

Unit-III

3. (a) Explain the importance of software reliability.

   (b) Write short notes on the following :

   (i) CMM

   (ii) ISO 9001

   (c) What is Software measurement ? Why is it necessary ?

Unit-IV

4. (a) What is Software testing ? Explain testing process.

(3)

(*b*) Explain software re-engineering.

(*c*) Explain functional testing and structural testing.

———