ED–2876

B. C. A. (Part III) EXAMINATION, 2021

Paper Sixth

SOFTWARE ENGINEERING

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

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

Unit—I

1. (a) What is software ? Explain life cycle of software.

   (b) Explain software crises and describe prototype model.

   (c) Why spiral model is most suitable then other process model ?

Unit—II

2. (a) What is software metrices ? Explain their types.

   (b) Describe phase management process.

   (c) What is cocomo model ? Explain it.

Unit—III

3. (a) Explain context flow diagram with any example.

P. T. O.

(b) What are the role and need of SRS.

(c) Write short notes on the following :

(i) Data Dictionary

(ii) DFD for College Management system

Unit—IV

4. (a) What is partitioning ? How it is important in software design ?

(b) What is moduler programming ? Explain Cohesion and Coupling.

(c) Write the role of flood programming style and draw a structure chart for any system.

Unit—V

5. (a) What is software testing ? Describe principle of testing.

(b) Differentiate WBT and BBT

(c) Explain Unit and Integration testing.