Bachelor of Science (B.Sc.) I.T. (Semester—IV) (C.B.S.) Examination
SOFTWARE ENGINEERING
Paper—I

Time : Three Hours]   [Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

      (2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) What is Software Engineering ? Explain the changing nature of software.   5

   (B) Explain process pattern in Software Engineering.   5

   OR

   (C) Explain personal and team process models.   5

   (D) Explain Capability Maturity Model Integration.   5

EITHER

2. (A) Explain waterfall model.   5

   (B) What are functional and non-functional requirements ?   5

   OR

   (C) Write notes on :

      (i) Interfere Specification

      (ii) System Requirements.   5

   (D) Explain the Unified Process.   5

EITHER

3. (A) What is Feasibility Study ? Explain.   5

   (B) Write notes on :

      (i) Context Models

      (ii) Object Models.   5

   OR

   (C) Explain Requirements Validation in Software Engineering Process.   5

   (D) What are Data Models ? Explain.   5

EITHER

4. (A) How would you check the design quality of software model ?   5

   (B) What is design process in Design Engineering ?   5

   OR

   (C) Explain the concept of Design.   5

   (D) How are model designed in Software Engineering ?   5

5. Attempt **ALL** :

   (A) Explain process framework.   2½

   (B) Explain evolutionary process models.   2½

   (C) Explain structured methods.   2½

   (D) What is Design Engineering ?   2½