NRJ/KW/17/3231

Bachelor of Computer Application (B.C.A.) Semester—IV (C.B.S.) Examination

SOFTWARE ENGINEERING—I

Paper—I

Time : Three Hours] [Maximum Marks : 50

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) Explain personal and team process model. 5

(B) What is Software Engineering ? Explain evolution of Software. 5

OR

(C) Explain process pattern and process assessment. 5

(D) Explain Capability Maturity Model Integration (CMMI). 5

EITHER

2. (A) Explain functional and non functional requirements. 5

(B) Explain Waterfall model in detail. 5

OR

(C) Write notes on :—

(i) System requirements

(ii) User requirements. 5

(D) Explain the unified process in detail. 5

EITHER

3. (A) Explain Behavioral models in System models. 5

(B) What are feasibility studies ? Explain. 5

OR

(C) Explain Object models in detail. 5

(D) Write notes on :—

(i) Requirement Validation

(ii) Context Model. 5

EITHER

4. (A) What do you understand by the term Design ? Explain. 5

(B) What is decision table ? Explain with example. 5

OR

(C) Discuss Design steps with example. 5

(D) What are the principles of designing output ? Explain. 5

5. Attempt **ALL** :—

(A) Explain Software myths. 2½

(B) What is Interface specification ? 2½

(C) Explain Requirement Management. 2½

(D) What is Design Engineering ? 2½