

Bachelor of Science (B.Sc. I.T.) Semester—IV 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 are software myths ? 5
- (b) Explain capability maturity model integration. 5

OR

- (c) What are the types of software ? Give the evaluation of software. 5
- (d) Write a note on process assessment. 5

EITHER

2. (a) Explain working principle of waterfall model. 5
- (b) Explain object model in short. 5

OR

- (c) What are the functional requirements ? 5
- (d) Explain principle of evolutionary process model. 5

EITHER

3. (a) What is feasibility ? Give its types in short. 5
- (b) Explain context model in short. 5

OR

- (c) Explain data model in short. 5
- (d) What is requirement elicitation ? 5

EITHER

4. (a) How would you check the design quality of software model ? 5
- (b) What are software quality guidelines for design process ? 5

OR

- (c) Explain modularity in system design. 5
- (d) Write a short note on design model. 5

5. Attempt **ALL** :—

- (a) What are challenges of software engineering ? 2½
- (b) Write a short note on interface specification. 2½
- (c) What is behavioural model ? Explain. 2½
- (d) Explain obstruction concept in short in design process. 2½