

Dr SHYAMA PRASAD MUKHERJEE UNIVERSITY

MSc (IT), SEMESTER II

MODEL QUESTION PAPER

PAPER CODE: CCMIT202

NAME: SOFTWARE ENGINEERING

FM: 120

Note: Each question carry equal marks

1. How can software engineering be termed as a layered technology. Explain with the help of diagram.
2. What is a Process? Explain the process framework in detail.
3. Explain all the Process Models with diagrams.
4. What is a legacy software? Explain with the help of a case study or example.
5. Explain the empirical estimation model for the process estimation.
6. What is an Agile Process model? Explain with diagram.
7. What do you mean by software quality assurance? What are the seven major activities of software quality assurance.
8. What is requirement analysis? What are some fact finding techniques useful in the context of requirement analysis.

9. Explain difference between following terms:

(a) Verification and Validation

(b) Evolutionary Process Model and incremental Process Model

10. What are the test strategies for conventional and object oriented software? Explain.

11. Explain the process of building Analysis model and Negotiating requirements in detail.

12. Write short notes on following

(a) Software reliability

(b) Design quality