

B.E. Computer Science & Engineering (Model Curriculum) Semester - V
TEE1062CS / CE-I - Software Engineering

P. Pages : 2

Time : Three Hours



GUG/S/23/13817

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

1. a) Give the definition of software engineering according to IEEE. “Software Engineering : A layered technology” – Explain. 8
- b) What are different applications of software ? Explain in detail. 8

OR

2. a) What is software process ? Also explain process framework activities with software process framework diagram. 8
- b) Explain incremental model with block diagram. 8
3. a) What is software measurement ? Explain size oriented metrics with example. 8
- b) Given the following data : 8
- No. of user inputs = 32
- No. of user outputs = 60
- No. of Inquiries = 24
- No. of files = 08
- No. of external interfaces = 2
- Assume that all complexity values average and complexity adjustment values = 46
- Compute the function point.

OR

4. a) What is software reengineering ? Explain software Reengineering process model with diagram. 8
- b) Explain software Reengineering Activities. 8
5. a) What are the David Hooker’s seven core principles that focus on software engineering process and practice. 8
- b) Explain system engineering hierarchy in detail. 8

OR

