PSCSCT08 - Paper-IV : Software Engineering

P. Pages : 1

Time : Three Hours

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0470

GUG/W/22/11190

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answer and write specific related to question.

Either:

1. a) Explain software qualities in detail. **8**

b) Explain Relationship of software Engineering to other area of computer science. **8**

OR

c) Explain Representative Qualities in detail. **8**

d) Explain Measurement of Qualities in detail. **8**

Either:

2. a) Explain different principles of software engineering. **8**

b) Discuss Modularization Techniques in detail. **8**

OR

c) Explain software Design Activity in detail. **8**

d) Explain the following. **8**
i) Generality. ii) Instrumentality.

Either:

3. a) Define specification and its use and also explain specification qualities. **8**

b) Explain the following. **8**
i) Verification of specifications. ii) Operational specifications.

OR

c) Discuss Debugging in detail. **8**

d) Explain Goals and Requirement of verification in detail. **8**

Either:

4. a) Explain Waterfall Model in detail. **8**

b) What is project planning? Explain. **8**

OR

c) Explain spiral Model in detail. **8**

d) What is software process model? Explain Transformation in detail. **8**

5. Solve all the questions.

a) Explain software life cycle in brief. **4**

b) Explain cohesion & coupling in software design. **4**

c) Explain Descriptive specification in detail. **4**

d) Discuss Risk management in detail. **4**

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