

B.Sc.-III (Information Technology) (CBCS Pattern) Semester - VI
UBITT603.4 / 005 - Paper-III (Elective-IV) : Software Engineering

P. Pages : 2

Time : Three Hours



GUG/S/23/13318

Max. Marks : 40

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagram wherever necessary.
3. Avoid vague answers.

Either:

1. a) Discuss different software myths in details. 4
b) Discuss the term the evolving Role of software. 4

OR

- c) Explain the layered technology of software engineering. 4
d) Explain the term- 4
i) The Capability Maturity Model Integration (CMMI).

Either:

2. a) Explain waterfall model in detail. 4
b) Explain the term- 4
i) User requirement
ii) System requirement

OR

- c) Explain evolutionary process model in detail. 4
d) Write a note on Feasibility studies. 4

Either:

3. a) Write note on software Architecture. 4
b) Explain the following- 4
i) Data models
ii) Context model

OR

- c) Discuss Requirement Validation in detail. 4
d) Explain the terms- 4
i) Design Process
ii) Architectural Design.

Either:

4. a) What is Software Testing. 4
- b) Explain- 4
- i) Black Box Testing
 - ii) White Box Testing

OR

- c) State & Explain different approaches for software testing. 4
- d) Write a note on- 4
- i) Software Quality
 - ii) Metrics
5. All questions are compulsory.
- a) What is Process Assessment? 2
- b) Explain the term requirement management? 2
- c) Explain different design concepts. 2
- d) Write a note on software measurement. 2
