

B.C.A. - III (CBCS Pattern) Sem-V  
**005 Paper-II (Elective-II) : Software Engineering**

P. Pages : 1

Time : Three Hours



**GUG/W/22/13080**

Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Write and explain personal and team process models. 4
- b) Describe the Introduction to Software Engineering in detail. 4

**OR**

- c) Write a note on Software Engineering A layered technology. 4
- d) What do you mean by Process Patterns? Explain. 4

Either:

2. a) What do you mean by Software requirements? Write Functional and Non – Functional requirements. 4
- b) Write a note on Requirements Validation. 4

**OR**

- c) What do you mean by Requirements elicitation and analysis? Explain. 4
- d) Describe the Software requirements document in detail. 4

Either:

3. a) Write a detailed note on Context Models. 4
- b) What do you mean by Software architecture? Explain 4

**OR**

- c) Explain the Design process in detail. 4
- d) Describe the Architecture Design in detail. 4

Either:

4. a) Write and explain the test strategies for conventional software. 4
- b) What do you mean by Metrics for design Model? Explain. 4

**OR**

- c) What do you mean by Black – Box Testing? Explain. 4
- d) Explain the Metrics for software quality in detail. 4

5. Attempt all the questions.

- a) Write a short note on The Evolving Role of Software. 2
- b) Explain the Interface specification in short. 2
- c) What do you mean by Data Design? Explain in short. 2
- d) Explain the Metrics for Testing. 2

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