

B.Sc. - III (CBCS Pattern) Semester-V
USCST09.3 - Elective-IV - Computer Science-IV (Software Engineering)

P. Pages : 2

Time : Three Hours



GUG/W/24/13088

Max. Marks : 50

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

Either:

1. a) Write a note on Software Engineering a layered technology. 5
- b) What do you mean by process framework? Explain it. 5

OR

- c) Discuss the Capability Maturity Model Integration in brief. 5
- d) Explain in detail team process models. 5

Either:

2. a) Write a note on Requirements Validation. 5
- b) Discuss in detail user's requirements. 5

OR

- c) Elaborate the concept of requirement analysis. 5
- d) Explain in detail non-functional requirements. 5

Either:

3. a) What is structured method? Explain 5
- b) Explain software architecture in brief. 5

OR

- c) Distinguish between design process and design quality. 5
- d) Write a note on context model. 5

Either:

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| 4. | a) | What is the concept of test strategies for conventional software? | 5 |
| | b) | What do you mean by Metrics for design Model? Explain | 5 |

OR

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| | c) | What are the various metrics for Analysis model? Explain | 5 |
| | d) | Explain the test strategies for conventional software. | 5 |
| 5. | | Attempt all questions. | |
| | a) | Explain the concept of changing nature of software. | 2½ |
| | b) | Explain the Interface specification in short. | 2½ |
| | c) | Explain the architectural styles and patterns. | 2½ |
| | d) | Write the metrics for maintenance. | 2½ |
