

[CB-BA 521-B/CB-BS 539-B/CB-BS 525-B]

AT THE END OF FIFTH SEMESTER (CBCS PATTERN)

COMPUTER APPLICATIONS - V(B) - SOFTWARE ENGINEERING

(Common for B.A. (CA), B.Sc. (CS), B.Sc. (CA))

(From the Admitted Batch 2015-16)

Time: 3 Hours

Max. Marks: 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

- 1. What is Software Engineering?**
- 2. Explain requirement elicitation.**
- 3. Explain various software design guidelines.**
- 4. Explain about Human Computer interface design.**
- 5. Explain control structure testing.**
- 6. Briefly explain system analysis principles.**
- 7. Explain architectural styles.**
- 8. Explain about white box and black box testing.**

SECTION B — (5 × 10 = 50 marks)

Answer ALL the questions.

- 9. (a) Explain about Agile process model. Also list merits and limitations.**

Or

- (b) What is Risk analysis? What are its types and explain risk analysis process.**

- 10. (a) Explain Requirement Engineering process.**

Or

- (b) Explain how analysis model is created by identifying its elements.**

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11. (a) Define and explain various types of cohesion in detail.

Or

(b) What is data design? What are the various elements of data design? Write guidelines for data design.

12. (a) Explain the golden rules used for user interface design.

Or

(b) What are the steps used in user interface analysis? Write about user interface design models and design process.

13. (a) Explain Software Reverse Engineering and Re-Engineering in detail.

Or

(b) What are Programming Tools? Explain in detail.