

NOVEMBER/DECEMBER 2019

**BSCA 55 — SOFTWARE ENGINEERING —  
SBS — III**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.



1. What is System Software?
2. Define – Software Engineering.
3. Who is Stakeholder?
4. Specify the purpose of State diagram.
5. Define – Data abstraction.
6. Mention the major elements of design model.
7. Define the term – Verification.
8. What is Graph matrix?
9. Write the objective of Software Project Planning.
10. Define – Software Engineering Environment.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) List and explain the five generic process Framework activities.

Or

- (b) Give an overview on Concurrent Development Model.

12. (a) Describe the Eliciting requirements approach.

Or

- (b) List the rules followed in creating analysis model.

13. (a) Explain the quality attributes of Software Design.

Or

- (b) Give an overview on taxonomy of Architectural styles.

14. (a) Discuss the characteristics of Software Testing strategies.

Or

- (b) Write a short note on Art of Debugging.

15. (a) Describe the Software Project Estimation technique.

Or

- (b) Explain the concept of Formal Technical Reviews.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write a detailed note on Spiral model.  
17. Explain the tasks in Requirements Engineering.  
18. Discuss the steps in Transform Mapping.  
19. Describe the Validation Testing.  
20. Give an overview on Software Quality concepts.

