

NOVEMBER/DECEMBER 2019

BSSC43 — SOFTWARE ENGINEERING

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Why Software is important?

What is Embedded Software?

3. What is Inception.

What is Negotiation?

5. Why Design is important?

6. What are Extra-functional properties?

7. What is Software Testing?

8. What errors are commonly found during unit testing?

9. What is Project Management?

10. Define Managerial identity.



SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Write short note on (i) Product-line Software
(ii) Artificial Intelligence Software.

Or

- (b) Explain briefly about Legacy Software System and the types of changes made in it

12. (a) Explain (i) Specification (ii) Elaboration

Or

- (b) Write short notes on Recognizing Multiple Viewpoints.

13. (a) Explain briefly about the important characteristic that serves for good design.

Or

- (b) Write any five the guidelines for quality of design representation.

14. (a) Write short notes on Unit Test with neat diagram?

Or

- (b) Mention some the generic characteristics for software testing strategies.



15. (a) Discuss the four important Organizations paradigms of Software Engineering.

Or

- (b) Write the important factors when structure in a software term

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about the generic process framework for Software Engineering.

17. Explain in detail about
(a) Overall Objective and Philosophy
(b) Analysis Rules of Thumb.

18. Explain
(a) Patterns
(b) Separation of Concerns
(c) Modularity
(d) Information Hiding.

19. Give a brief account on Validation Testing.

20. Discuss in detail about the Process Metrics and Software Process Improvement.