

**Q.P. Code : 25143**

**Third Semester B.Voc.(IT) Degree Examination,  
November/December 2019**

*(CBCS – New Scheme)*

**Information Technology**

**Paper 303 - SOFTWARE ENGINEERING**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to Candidates : Answer all the Sections.*

SECTION – A

- I. Answer any **TEN** questions : **(10 × 2 = 20)**
1. Define Software Engineering.
  2. What are different types of Software Products?
  3. What is Software Myth?
  4. What is requirements analysis?
  5. What are data objects?
  6. What is DFD? Explain the notations used in DFDS.
  7. What is functional independence?
  8. Define software quality.
  9. What is validation?
  10. What is Black Box Testing?
  11. What are different debugging strategies that have been proposed?
  12. Mention any four software testing characteristics.

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SECTION - B

II. Answer any **FIVE** questions :

13. (a) Explain spiral model. (5)  
(b) Explain the attributes of a good software. (5)
14. (a) What is software process? Explain incremental process model. (5)  
(b) What is Extreme Programming? Explain the XP Value. (5)
15. (a) What is SRS? Explain. (5)  
(b) What is a behavioral model? Mention the steps to create a behavioral model. (5)
16. (a) Explain coupling and cohesion. (5)  
(b) Explain unit Testing and Integration Testing. (5)
17. (a) Explain quality attributes. (5)  
(b) Explain object oriented design concepts. (5)
18. (a) Explain user interface design patterns. (5)  
(b) Explain cost of quality. (5)
19. (a) Explain software testing fundamentals. (5)  
(b) Explain Debugging process. (5)
20. (a) Explain quality and security. (5)  
(b) Explain quality Assurance. (5)
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