

**6432**  
**BOARD DIPLOMA EXAMINATION**  
**JUNE - 2019**  
**DIPLOMA IN COMPUTER ENGINEERING**  
**SOFTWARE ENGINEERING**  
**FOURTH SEMESTER EXAMINATION**

**Time: 3 Hours**

**Total Marks: 80**

**PART - A (3m x 10 = 30m)**

*Note 1: Answer all questions and each question carries 3 marks*

*2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences*

1. What is meant by software crisis?
2. Write about risk assessment?
3. What is scheduling?
4. List any three essential activities to be covered in project planning
5. What is meant by traceability
6. Write about requirements analysis
7. What is good software design?
8. What is the objective of coding?
9. List the debugging guidelines
10. Differentiate hardware reliability and software reliability

**PART - B (10m x 5 = 50m)**

*Note 1: Answer any five questions and each carries 10 marks*

*2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer*

11. Explain classical waterfall model with the help of a neat diagram
12. Explain about Norden's work on staffing level estimation
- \* 13. Explain about GANTT chart with a diagram
14. Explain how to document the functional requirements
15. Explain about system testing
16. Explain any two types of user interfaces
- \* 17. Explain about unit testing with an example
18. Explain about software quality management system