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**SAINTGITS COLLEGE OF APPLIED SCIENCES**

**SECOND INTERNAL ASSESSMENT EXAMINATION, FEB 2019**

**Department of BCA, Semester 4**

**System Analysis and Software Engineering**

Total : **80 marks** Time: **3Hours**

**Section A**

*Answer any 10 questions. Each question carries 2 marks.*

1. Explain the term Business Information Systems (BIS).
2. Define Software Engineering
3. Explain SRS
4. Explain RAD model
5. What is the unit of size and effort?
6. Differentiate between Program and software
7. Which are the two different categories of Software Design?
8. What are the characteristics of a good SRS?
9. Define Software Reliability.
10. What is the significance of software testing?
11. Explain the need for risk analysis
12. Differentiate between alpha and beta testing (10x2=20 )

**Section B**

Answer any six of the following. Each question carries 5 marks.

13. Explain the different methods to describe the business organization.

14. Explain the levels of Information System

15. Explain DFDs and Data dictionaries

16. Explain Prototyping Model

17. Explain the importance of feasibility studies in Software development

18. Explain any two requirement elicitation method in detail

19. Differentiate between Module Coupling and Cohesion in detail.

20. Briefly explain the different strategies of Design.

21. Explain the different levels of Testing

(6x5=30)

**Section C.**

Answer any two of the following.

Each question carries 15 marks

22. Explain the SDLC activities with the help of a flow chart.

23. Explain Water Fall Model with the help of a diagram.

24. Explain COCOMO Model in detail

25. Briefly explain Function Oriented Design method

(2x15=30)

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