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IV Semester B.C.A. (Theory) Degree Examination, July/August - 2024

COMPUTER APPLICATIONS**Software Engineering****(NEP Scheme)****Time : 2½ Hours****Maximum Marks : 60****Instructions to Candidates:**

Answer all sections.

SECTION - A**I. Answer any Four questions. Each question carries 2 marks.****(4×2=8)**

1. Define software engineering.
2. What is SRS document?
3. What is clean room strategy?
4. What is Gantt chart?
5. What is prototyping?
6. What are project risks with example.

SECTION - B**II. Answer any Four questions. Each question carries 5 marks.****(4×5=20)**

7. Explain Agile process model.
8. Explain types of box structure specification.
9. Explain Roles and responsibilities of project manager.
10. Mention the difference between verification and validation.
11. Explain software project scheduling process.
12. Explain ISO Standards for Software Industry.

**SECTION - C****III. Answer any Four questions. Each question carries 8 marks.****(4×8=32)**

13. Explain waterfall model with illustrations. **(8)**
14. a) Explain extreme programming. **(4)**
b) Explain the types of formal specification language. **(4)**

[P.T.O.]



15. Explain the techniques of Black box Testing. (8)
 16. a) Explain W5HH principles for project management. (4)
b) Explain code Restructuring and data restructuring in Reverse engineering. (4)
 17. a) Explain the principles of Risk management. (4)
b) What is re-engineering? Explain the process of it. (4)
 18. a) What is Software Process Improvement (SPI) process. (4)
b) Explain the features of software configuration management. (4)
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