

Roll No.

Total No. of Questions : 07]

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BCA (Sem.-3rd)
SOFTWARE ENGINEERING
SUBJECT CODE : BC - 303 (N2)
Paper ID : [B0211]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is Compulsory.
- 2) Attempt any **Four** questions from Section - B.

Section - A**Q1)****(10 × 2 = 20)**

- a) Name various phases of software engineering life cycle.
- b) Explain the various characteristics of software.
- c) Differentiate between verification and validation.
- d) What is GANTT chart used for?
- e) What is the need of SRS?
- f) What are key features of good user interface?
- g) What is alpha testing?
- h) What is ER-Diagram?
- i) Write about the advantages of prototyping.
- j) What is Rayleigh curve used for?

Section - B**(4 × 10 = 40)**

- Q2)** What do you mean by software reliability? What are the metrics of the reliability?
- Q3)** What do you mean by architectural and detail design? Explain in detail.
- Q4)** What are the characteristics of a good test plan? What are the different objectives kept in mind while black box and white box testing?

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- Q5)** (a) How is the quality of software assured?
(b) What are the basic issues in any reuse program?
- Q6)** What is software configuration management? Explain with an example.
- Q7)** How is size of software estimated? Explain COCOMO model of cost estimation.

