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Total No. of Questions : 07]   [Total No. of Pages : 01

Paper ID [B0211]

(Please fill this Paper ID in OMR Sheet)

BCA (Sem. 3rd)
SOFTWARE ENGINEERING (BC - 303)

Time : 03 Hours   Maximum Marks : 60

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

Section - A

(4 × 10 = 40)

Q1) Explain the Spiral Model for the software design. How feed back mechanism work in this model.

Q2) Give differences between function-oriented metrics and size-oriented metrics.

Q3) What are the major differences between Top down and Bottom up approach for the design of a system. Explain with example.

Q4) What are the different type of tests required for a system. How test data is constructed for those system. Explain with example.

Q5) Explain the COCOMO model with example.

Q6) What are the steps in the design of a system. Explain with an example.

Section - B

Q7)   *(10 × 2 = 20)*

(a) What is unit testing?
(b) What are various attributes of Software?
(c) What is the difference between integration and module testing?
(d) Why S/W does not wear out?
(e) What are the training needs for the system implementation?
(f) Where is the alpha test performed.
(g) What is a parallel run?
(h) Explain briefly whether S/W is developed or engineered.
(i) What is Software Maintenance?
(j) What is the major duty of a system analyst?

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