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

BCA (Sem.-3rd)
SOFTWARE ENGINEERING
Subject Code: BC-303
Paper ID: [B0211]

Time: 3 Hrs.**Max. Marks: 60****INSTRUCTIONS TO CANDIDATE:**

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

SECTION-A

(10x2=20)

- Q.1. Answer in 2-5 lines:
- (a) What is the difference between program and software?
 - (b) What are the characteristics of the software?
 - (c) What are the objectives of Requirement Analysis?
 - (d) Define fourth Generation Techniques in Software?
 - (e) What are the steps followed in testing?
 - (f) Define software prototyping.
 - (g) Write short note on a black box testing.
 - (h) What is cost estimation models? Define.
 - (i) Define system testing?
 - (j) Explain Object oriented concepts?

SECTION-B

(4x10=40)

- Q.2. Explain in detail about the life cycle process.
- Q.3. What do you mean by COCOMO Model? Explain it with S/W Equation.
- Q.4. Explain software design in detail and explain the concepts of it with the help of diagram?
- Q.5. Define System Analysis. Explain it in detail with the help of appropriate examples?
- Q.6. What are the Basic Principle of Software Testing? Explain in detail.
- Q.7. Explain the following in detail.
- (a) Architectural Design and Data Design.
 - (b) Integration Testing and Validation Testing.

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