

**Code : 303304**

**BCA 3rd Semester Theory Examination, 2017**

**Software Engineering**

**3 Hrs**

**Full Marks : 60**

**Instructions :**

*The questions are of equal value.*

- 1) There are Seven questions in this Paper.*
- 2) Attempt Five questions in all.*
- 3) Question Nos. 1 & 2 are compulsory.*

**Answer any six questions of the following: 2×6=12**

What is Black Box Testing?

What is Exhaustive Testing?

What is Static Analysis?

Explain the design steps of the transform mapping.

How is effort measured?

State the objectives and guidelines for debugging.

Describe the characteristics of Software.

Distinguish between verification and validation.

What do you mean by staffing?

What is Bottom-Up Design?

**2. Answer any three of the following:**

- (a) Discuss the Different Levels of Testing.
- (b) Spiral model in Software Engineering.
- (c) What are Test Oracles?
- (d) Write a Note on Software Design Phases.
- (e) What are the different methods used for Monitoring Project?

**Answer any three questions.**

3. What is Feasibility Study? Describe Types of Feasibility Study. Explain Feasibility Study Process.
4. What is Structural Testing? Explain any Two Techniques in it.
5. What is Process Model ? Explain Waterfall Model and its limitations.
6. What are the different approaches used for the Verification of a Design Document.
7. What is build and fix model or ad hoc model? Also explain its Advantages and Disadvantages.

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