

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onwards) (Sem.-4)

SOFTWARE ENGINEERING

Subject Code : BSBC-401

Paper ID : [B0240]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.**

SECTION-A

1. Answer in 2-5 lines :

- a) What is Structured Analysis?
- b) Describe DFD.
- c) Difference between Problem and Process based Estimation Techniques.
- d) What do you mean by Function Point?
- e) What are Objectives of Software Project Planning?
- f) What is the difference between Verification and Validation?
- g) How to estimate the size of the Software?
- h) What do you mean by Forward Engineering?
- i) What do you mean by Integration testing?
- j) List significance of COCOMO Model.

SECTION-B

- 2) What are the Software Process Models? Explain various models in detail.
- 3) What is Cost Estimation? Explain different estimation techniques and its models.
- 4) What do you mean by Architectural and Detail design? Explain in detail.
- 5) Write note on the following :
 - a) Coupling and Cohesion
 - b) CASE tools
- 6) What are the objectives of testing? Explain various testing strategies.
- 7) Explain the concept of Software Reengineering in detail.