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.