BCA (2014 to 2018)   (Sem.–4)
SOFTWARE ENGINEERING
Subject Code : BSBC-401
M.Code : 10066

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS 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 have to attempt any FOUR questions.**

SECTION-A

1. **Answer briefly :**

    a) What are software components?

    b) Discuss the applications of software in daily life.

    c) What do you mean by Prototyping?

    d) What are Fourth generation techniques?

    e) What is system analysis?

    f) What are the various methods of eliciting users' requirements?

    g) What is a Data Dictionary? What is its use?

    h) What is top-down approach of software design?

    i) What is the principle of inheritance?

    j) What is CASE?

SECTION-B

2. Discuss the Spiral model of the software process. Explain how both the waterfall model and the prototyping model can be accommodated in the spiral process model?

3. Discuss the importance of cost estimation in a project and also explain the procedure used for it.

4. What do you mean by Structured Analysis? Discuss the tools of structured analysis.

5. What is a test case? Discuss the various test case design techniques.

6. Why is software testing important? Discuss in detail the different testing strategies.

7. What do you understand by software re-engineering? What are the methods of software re- engineering? Discuss in brief.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.