BCA (2014 to 2018)/B.Tech.(CSE)    (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 has to attempt any FOUR questions.**

## SECTION-A

1.      **Answer briefly :**

  a)  What is Spiral Model?

  b)  What are the role of Metrics?

  c)  Write a short note on S/W sizing?

  d)  Name any two tools used in software engineering.

  e)  Write a short note on ER diagram.

  f)  Explain Black box testing.

  g)  When unit testing is used?

  h)  Define verification.

  i)  Discuss integration testing.

  j)  Define restructuring.

**SECTION-B**

2. What is COCOMO? Explain how this model is used for cost estimation?

3. What is the purpose requirement analysis? Give the steps for gathering information.

4. Explain the data design Methodology. Write the role of Architecture design.

5. Give the introduction of test case design. Discuss white box and black box Testing.

6. What is Software Reverse Engineering? How it is used in software development?

7. Discuss Computer Aided Software Engineering. How it is used in software development?

**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.**