

SUBJECT: FUNDAMENTALS OF SOFTWARE ENGINEERING

Day: Thursday
Date: 09/05/2019

S-2019-2570

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Use of non-programmable **CALCULATOR** is allowed.

Q.1 With suitable diagram give advantages and disadvantages of: (10)
i) Spiral Model ii) Prototyping Model

OR

Q.1 Define agility. Explain extreme programming agile model. (10)

Q.2 Describe analysis modeling principles. (10)

OR

Q.2 Explain requirement engineering distinct tasks. (10)

Q.3. What are elements of flow-oriented model? Draw Data Flow Diagram for Library Management System. (10)

OR

Q.3 Develop Data Model Using E-R diagram for Banking System. (10)

Q.4 How design model is useful in software Engineering? Explain architecture design concept with suitable example. (10)

OR

Q.4 Write short note on: (10)
i) Cohesion ii) Coupling

Q.5 How software configuration management (SCM) is used to develop a status report? (10)

OR

Q.5 Describe importance of baseline and SCM repository. (10)

Q.6 What are different levels of testing and explain how it plays an important role to make testing better. (10)

OR

Q.6 Write different test cases for admission process and explain the term Test case specification with suitable example. (10)