Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

PGDCA (2017 & Onwards) (Sem.–2)
SOFTWARE ENGINEERING
Subject Code : PDCA-203
M.Code : 50512

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

 1.   Answer briefly :

      a) What do you mean by Prototype?

      b) Write the full form of SRS.

      c) Explain the disadvantages of the Spiral Model.

      d) What do you mean by Object?

      e) What role a Software Metrics play in Software Engineering?

      f) What do you mean by Verification in Software Testing?

      g) How unit testing is carried out in the Software Engineering?

      h) Describe the term Software Equation.

      i) What do you mean by Process based estimation?

      j) What is Class?

SECTION-B

2. Discuss the steps involved in gathering the Requirement Analysis of the Software.

3. Explain COCOMO software cost estimation Model along with example.

4. Describe about the Entity Relationship Model in detail.

5. "Software is developed or engineered, if it is not manufactured in the classical sense ". Explain.

6. Compare and Contrast the Structural Testing versus Functional Testing.

SECTION-C

7. Explain Water Fall Model with the help of a diagram illustrating its advantage and disadvantages.

8. Discuss the Design Methodologies involved in the Software Design.

9. Write short notes on :

a) Data Flow Diagram

b) Data Dictionary

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.