Sub. Code : | 8 | 6 | 9 | 2 |

Exam. Code : | 1 | 2 | 2 | 0 |

PGDCA 2nd Semester

1059

SOFTWARE ENGINEERING

Paper—PGD-2103

Time Allowed : Three Hours]   **[Maximum Marks : 60**

Note :— Attempt **five** questions in all by selecting **one** question from each Section. Entire question No. **9** is compulsory.

SECTION—A

1. Discuss the reasons behind emergence of software engineering discipline. What are the characteristics of a well-engineered software system ?   12

2. What are the objectives of a software process model ? List the major activities that spiral model lays stress on and makes it distinct from other models.   12

SECTION—B

3. How does project scheduling differ from project management plan ? Describe the features of WBS along with an example of your choice.   12

4. (a) What are the parameters involved in computing the cost of a software development project ?   6

    (b) Describe the activities undertaken in managing risks in software project management.   6

SECTION—C

5. Why is a good design important for a product ? Explain the generic task list for accomplishing software design. 12

6. What do you mean by structured analysis ? Why do we create DFD ? Draw a DFD to issue a book from library. 12

SECTION—D

7. What are the different categories of tests that a programmer will typically perform on software ? List the objectives behind it. 12

8. Why is maintenance of software important ? Discuss the problems and issues that are faced with respect to each type of maintenance. 12

SECTION—E

9. Answer the following :

   (a) Goals of SRS document

   (b) Semidetached mode in COCOMO

   (c) Merits of Gantt Charts

   (d) Elements of Data Dictionary. 3×4=12