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

Total No. of Questions: 09

PGDCA (2014 & Onwards)   (Sem. – 2)
SOFTWARE ENGINEERING
M Code: 50512
Subject Code: PDCA-203
Paper ID: [B0152]

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 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.   a)   What is boundary testing?

     b)   What is data dictionary?

     c)   Define prototyping for a system.

     d)   What is reusability of code?

     e)   At what place are the alpha testing is done.

     f)   How data flow testing is performed?

     g)   What is module coupling?

     h)   How team for a Software project is made.

     i)   What is a PERT chart?

     j)   What is a processes based estimation technique?

SECTION B

2. What are test reports? Explain the various testing techniques

3. What are the project management tools used? List them and explain.

4. Who should perform the validation test: S/W developer S/W user? Justify your answer

5. What is a user interface of a system? Explain the various graphical types of user interfaces for system

6. What is estimation? Explain its role in S/W planning.

SECTION C

7. What are the steps in the implementation of a project? Explain with example

8. Explain the Waterfall Model for the software design

9. Suppose you want to develop software for a Visitors Registration System for an office-

   Whenever a visitor wants to meet any staff member in the office, the system will record the name of the visitor, name of the staff, time of entry, purpose of visit and time of exit. The system also should have the following features:

   a) To display the names of all visitors to a staff member day wise.

   b) To display the time spent by a particular visitor in the office.

   c) To display the names of all visitors who are in office at a particular time.

      For the above mentioned system, develop a Systems Requirement Specifications.