



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY
(Under Government of Kerala)
CEP EXAMINATION-FEBRUARY 2019
Subject: Software Engineering and Project Management
PGDCA II

Register No. _____

Time: 3 Hours
Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. SRS stands for _____
2. _____ is a graphical representation of the flow of data.
3. One of code analysis technique is _____
4. Mini model of the proposed system is called _____
5. _____ is a set of information describing the contents, format, and structure of a database.
6. _____ is not a testing but always occurs as a consequence of testing.
7. Expand CASE _____
8. _____ is special type of association where the class represent a whole relationship.
9. _____ model uses Theory W to develop software.
10. GUI stands for _____

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What are the different stages of Waterfall Model?
2. What is code walk?
3. Briefly explain about class diagrams.
4. What is coupling and cohesion?
5. What are the three classifications of UML diagrams?
6. What is CASE tool? Advantages of using CASE tool?
7. What is SQC?
8. What is Six Sigma?
9. Briefly explain COCOMO Model.
10. What is testing and debugging?
11. How cost estimation is connected with software development?
12. What is data flow diagram? Draw the symbols used in DFD.
13. What is the use of data dictionary?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. What is feasibility study? What are the different factors considered in feasibility study?
2. Explain the different testing methods.
3. Explain the steps in project planning.
4. What is software prototype? Explain the different types of prototyping.
5. What is reverse engineering and re-engineering? Explain the need and steps in reverse engineering.
6. Explain different components of UML design.
7. Explain risk management and its different types.
