

Roll No

IT - 605**B.E. VI Semester**

Examination, June 2015

Software Engineering and Project Management*Time : Three Hours**Maximum Marks : 70*

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
 ii) All parts of each questions are to be attempted at one place.
 iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.
 iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) Explain system development life cycle.
- b) How the information is gathered for system planning?
- c) Explain various stages of system design. How proper design helps implementation stages?
- d) Justify the statement that system development is a process of progressive change.

OR

What do you mean by structured analysis? Explain in detail the tool used for analysis of any software system.

Unit - II

2. a) Write difference between process and product.
- b) Write the advantages of software process model.
- c) Define the term metrics, measures and indicators.

- d) Explain RAD model. Write different drawbacks of RAD model.

OR

Write different types of software myths.

Unit - III

3. a) What is the objective of project planning?
- b) Explain the term Risk analysis.
- c) What are the benefits of modular design?
- d) What do you mean by coupling? Explain various types of coupling.

OR

Write design principles and explain how architecture can be represented.

Unit - IV

4. a) What are the factors measured by software quality?
- b) Explain the term formal technical reviews.
- c) List five guidelines for effective testing.
- d) Write important constituents of software quality assurance plan explain in detail.

OR

List few techniques used for verification testing. Explain briefly.

Unit - V

5. a) What is the role of computer in MIS?
- b) Define decision support system.
- c) Define the term software - re engineering.
- d) Draw a general architecture of a CASE environment. Explain its important characteristics.

OR

Using examples compare and contrast expert system and DSS.
