

1/7/20
6th

Exam.Code:0924
Sub. Code: 6858

2072
B.E. (Information Technology) Sixth Semester
Professional Elective Course – II
IT-605d: Software Engineering

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

- I. Attempt the following:-
- a) What is the cost of the software?
 - b) What is project planning?
 - c) Define cohesion
 - d) Why validation and Verification is important?
 - e) Define quality of software.
- (5x2)

UNIT - I

- II. a) Discuss evolutionary model and rapid application development model with their advantages and disadvantages.
b) Explain various software components. (2x5)
- III. a) Explain the various project management activities
b) Discuss the need of software requirement analysis and techniques. (2x5)
- IV. a) Explain the difference between functional modeling and behavioral modeling.
b) Define various analysis principles. (2x5)

UNIT - II

- V. a) How architectural design differs from interface design.
b) Explain coupling classification. (2x5)
- VI. Explain the following terms:-
a) alpha and beta testing
b) Integration testing
c) Unit testing (10)
- VII. a) Explain the metrics for the design model.
b) Differentiate between use case diagrams and sequence diagrams (2x5)

x-x-x