SF - 482

Total No. of Pages : 2

Seat No.	

B.E.(Information Technology) (Part - II) (Semester - IV) Examination, November - 2017

SOFTWARE ENGINEERING (Revised)

Sub. Code : 63522

Day and Date : Tuesday, 07 - 11 - 2017 **Total Marks : 100**

Time : 10.00 a.m. to 01.00 p.m.

Instructions :
1) **Solve any three questions from Q.No. 1 to Q.No. 4**
2) **Solve any three questions from Q.No. 5 to Q.No. 8**
3) **Assume suitable data if necessary. Draw figures wherever necessary**
4) **Figures to the right indicate full marks.**

Q1) a) Define Software. State problems related to industrial strength software. [8]

b) What is the requirement process? Explain each stage in detail? [8]

Q2) a) Explain ETVX Approach with the help of neat diagram. [8]

b) State and elaborate the design principles of function-oriented design. [8]

Q3) a) State and explain desired characteristics of a software process. [8]

b) Explain first level factoring in the structured design methodology with an example. [8]

Q4) Write short notes (Any three) [3 × 6 = 18]

a) Prototyping

b) Waterfall software development process model

c) Quality attributes

d) Data flow diagram

P.T.O.

Q5) a) What is black box testing? Explain any two techniques. [8]

b) With a neat diagram, explain the concept of class diagram in UML. [8]

Q6) a) Explain sequence diagram with a suitable example. [8]

b) Explain Test driven development process. [8]

Q7) a) With a neat diagram, explain causal analysis. [8]

b) Explain in detail, the contents of test plan. [8]

Q8) Write short notes (Any three) [3 × 6 = 18]

a) OO Metrics

b) Pair programming

c) Source code control and build

d) Cyclomatic Complexity