SV-217

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Seat No.	

B.E. (CSE) (Part - IV) (Semester - VIII) (Revised) Examination, May - 2018
SOFTWARE TESTING AND QUALITY ASSURANCE
(Elective - II)
Sub. Code : 67828

Day and Date : Monday, 14-05-2018 **Total Marks : 100**
Time : 2.30 p.m. to 5.30 p.m.

Instruction :
1) Q.4 and Q.8 are Compulsory.
2) Attempt any two questions from Q.1 to Q.3
3) Attempt any two questions from Q.5 to Q.7

SECTION - I

Q1) a) Explain verification and validation. **[8]**

b) Compare alpha testing versus beta testing. **[8]**

Q2) a) How SRS document verification is done? Explain in detail. **[8]**

b) Which are the techniques to select test cases for the purpose of regression testing? **[8]**

Q3) a) How to generate test cases from use cases. **[8]**

b) What is risk analysis? Explain risk matrix. **[8]**

Q4) Write a note on (Any two). **[18]**

a) The V shaped software lifecycle model.

b) Database Testing.

c) Object oriented testing.

P.T.O.

SECTION - II

Q5) a) What do you mean by scope of software metrics? Explain degree of software measurement. **[8]**

b) Explain functional testing with suitable example. **[8]**

Q6) a) What should we measure during testing? **[8]**

b) Explain usability testing steps. **[8]**

Q7) a) Explain Albretch's approach with respect to functionality? **[8]**

b) What are security threats? Explain security testing. **[8]**

Q8) Write a note on (Any two) **[18]**

a) Object oriented metrics used in testing.

b) Problems with function points measure.

c) Performance testing.

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