

Seat No.	
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**B.E. (Computer Science and Engineering) (Semester - VIII)**  
**Examination, November-2018**  
**SOFTWARE TESTING AND QUALITY ASSURANCE (Revised) (Elective - II)**  
**Sub. Code : 67828**

Day and Date : Thursday, 15 - 11 - 2018

Total Marks : 100

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

- Instructions :
- 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

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SECTION - II

- Q5)** a) Which are broad categories of software metrics? Explain in detail. [8]  
b) Compare client server application and web based application. [8]
- Q6)** a) What should we measure during testing? [8]  
b) Write a note on user interface testing. [8]
- Q7)** a) Which are the several problems with the function points measure? [8]  
b) What is automated test data generation? [8]
- Q8)** Write a note on (Any two) [18]  
a) Measurement in software engineering  
b) Albretch's approach  
c) Security testing

