

**SV-217**

**Total No. of Pages : 2**

Seat No.	
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**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.

