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| Seat No. | |
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B.E. (Computer Science and Engg.) (Semester-VIII)
(Revised) Examination, November - 2017
SOFTWARE TESTING AND QUALITY ASSURANCE
(Elective-II)

Sub. Code : 67828

Day and Date : Monday, 06-11-2017

Total Marks : 100

Time : 10.00 a.m. to 1.00 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) What is software testing? Why should we test? [8]

b) Explain V shaped software lifecycle model. [8]

Q2) a) What are different software verification methods? [8]

b) What do you mean by software project audit? Explain in brief project audit and review checklist. [8]

Q3) a) Explain use cases and use case diagram in detail? [8]

b) What is regression testing? [8]

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

a) Software failures with example.

b) SRS document verification.

c) Risk analysis.

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.

