

Total No. of Questions :6]

SEAT No. :

P296

Oct./BE/Insem. - 614

[Total No. of Pages : 1

B. E. (Information Technology)

SOFTWARE TESTING & QUALITY ASSURANCE (Elective - II)
(2015 Course) (Semester - I) (414457 C)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data if necessary.*

Q1) a) Explain the role of tester in software development organization. **[5]**

b) Describe testing as an engineering process. **[5]**

OR

Q2) a) Explain the Software testing principles. **[5]**

b) Compare Validation and Verification. **[5]**

Q3) a) What is code functional testing? Explain the various stages involved in code functional testing. **[5]**

b) Compare White Box & Black Box Testing. **[5]**

OR

Q4) a) What are decision tables? Explain decision tables by considering the credit card example. **[5]**

b) Which are the various levels of testing? Explain Unit & Integration Testing. **[5]**

Q5) a) What is test automation? Which skills are needed for test automation? **[5]**

b) Discuss defect removal effectiveness in detail. **[5]**

OR

Q6) a) What are the challenges in automation? **[5]**

b) What is failure mode effects analysis (FMEA)? Explain in detail. **[5]**

