[6181]-112

B.E. (Computer)

SOFTWARE TESTING AND QUALITY ASSURANCE

(2019 Pattern) (Semester - VII) (410245D) (Elective - IV)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.*
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) Identify how the different Static Test Case Design Techniques are useful for Software Testing? **[6]**

b) Interpret the different Dynamic Test Design Techniques. **[6]**

c) What do you think about static techniques. **[6]**

OR

Q2) a) Can you illustrate Adhoc Testing with example. **[6]**

b) How would you explain unit Testing and Integration Testing? **[6]**

c) State in your own words why Regression Testing in important? **[6]**

Q3) a) Illustrate different characteristics of software in detail. **[6]**

b) Identify different steps involved in Software Development Process. **[6]**

c) Can you clarify different levels of CMM **[5]**

OR

Q4) a) Why Software has Defects? Explain in details. **[6]**

b) Can you distinguish between Q.A. and Q.C. **[6]**

c) Explain in detail Pillars of Quality Management System. **[5]**

P.T.O.

Q5) a) How to choose an Automation tool? Explain in briefly. **[6]**

b) Illustrate selenium Tool suite in detail. **[6]**

c) How would you explain Robotic Process Automation (RPA). **[6]**

OR

Q6) a) Construct different automated testing process. **[6]**

b) What is selenium RC? Explain in detail. **[6]**

c) What do you understand selenium grid? Explain it. **[6]**

Q7) a) Can you illustrate Total Quality Management. Explain in detail. **[6]**

b) Illustrate Ishikawals 7 basic Tools in detail. **[6]**

c) What do you understand by software maintenance? Explain in detail. **[5]**

OR

Q8) a) Can you Clarify Flow Chart. Run charts, control charts. **[6]**

b) What are the facts to achieving the software quality. Explain in detail. **[6]**

c) What are the different task goal and metric in SQA? **[5]**

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