Total No. of Questions : 8]

SEAT No. :

P556

[Total No. of Pages : 2

[6004]-491

B.E. (Computer)

SOFTWARE TESTING AND QUALITY ASSURANCE

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

Time : 2½ Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) ***Attempt Q.No.1 or Q.No.2, Q.No.3 or Q.No.4, Q.No.5 or Q.No.6, Q.No.7 or Q.No.8.***
2) ***Figures to the right indicate full marks.***
3) ***Assume suitable data, if necessary.***
4) ***Neat diagrams must be drawn wherever necessary.***

Q1) a) Differentiate between black box and white box testing. **[6]**

b) What do you mean by unit and integration testing what are the approaches used in integration testing? **[6]**

c) Illustrate Non - functional testing? Explain performance testing with example? **[6]**

OR

Q2) a) Write a brief outline Experienced based techniques. **[6]**

b) Can you explain statment coveragetesting & branch coverage testing? **[6]**

c) How would you explain system testing & acceptance testing. **[6]**

Q3) a) What is impact of defect in different phase of software development? **[6]**

b) Can you explain quality plan in details? **[6]**

c) Explain why ISO - 9001 standard and it's importants in software testing. **[5]**

OR

Q4) a) With respect to quality management system explain important aspects of quality management. **[6]**

b) What do you understand regarding quality control & Explain two methods of quality control. **[6]**

c) Why do you need to measure customer satisfaction? **[5]**

P.T.O.

Q5) a) What is automation testing in software testing? Explain in brief? **[6]**

b) Illustrate Selenium's IQE explain in details. **[6]**

c) How would you explain selenium's web driver explain. **[6]**

OR

Q6) a) Identify different benefits of Automation testing. **[6]**

b) Explain different automated testing process. **[6]**

c) How would you explain R.P.A. **[6]**

Q7) a) Explain the six sigma characteristics in details. **[6]**

b) Compare the Ishikawa's flowchart and Histogram tools. **[6]**

c) What parameter required for achieving good software quality. **[5]**

OR

Q8) a) Can you explain how to maintain SQA. **[6]**

b) Illustrate different task goal and metric in SQA. **[6]**

c) What do you think about deffect removal effectiveness explain it. **[5]**