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.***

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|---|---|---|---|
| ***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]** |

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|---|---|---|---|
| ***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]** |