

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 statement coverage testing & 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 important 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 defect removal effectiveness explain it. [5]

