SEAT No. :

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[6354]-496

B.E. (Computer Engineering)
SOFTWARE TESTING & QUALITY ASSURANCE
(2019 Pattern) (Semester - VII) (Elective - IV) (410245 D)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:
1) *Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.*
2) *Figures to the right side indicate full marks.*
3) *Assume suitable data if necessary.*
4) *Neat diagrams must be drawn wherever necessary.*

Q1) a) Identify the importance of Regression testing & explain it. **[6]**

     b) Explain any two non functional testing. **[6]**

     c) Can you explain statement coverage & Branch coverage testing? **[6]**

OR

Q2) a) Explain any two functional testing. **[6]**

     b) Explain in detail performance testing with example. **[6]**

     c) What do you think about dynamic techniques? **[6]**

Q3) a) Differentiate between quality assurance & qualits contorl. **[6]**

     b) Can you clarify different levels of cmm. **[6]**

     c) Illustrate selenium's IDE and explain indetail. **[5]**

OR

Q4) a) Why software has defects? explain in detail. **[6]**

     b) Explain in detail reliability of quality Process. **[6]**

     c) Explain Important Aspects of quality management. **[5]**

P.T.O.

Q5) a) Illustrate selenium tool suite in detail. **[6]**

b) Construct different automated festing process. **[6]**

c) Explain Robotic process Automation in details. **[6]**

OR

Q6) a) What is performance testing. What is use of it. **[6]**

b) How would you explain selenium web driver? Explain it **[6]**

c) Construct different automated testing process. **[6]**

Q7) a) Can you explain how to maintain SQA. **[6]**

b) Compare Run charts and control chart in detail. **[6]**

c) Explain six sigma characteristics in details. **[5]**

OR

Q8) a) Compare flow charts and control chart in detail. **[6]**

b) Explain in detail total quality management. **[6]**

c) Compare the Ishikawa's flow chart and histogram tool. **[5]**

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