

Total No. of Questions : 8]

SEAT No. :

P-6562

[Total No. of Pages : 2

[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 is 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]

