

Oct-22/BE/Insem-52

B.E. (Computer Engineering)

**SOFTWARE TESTING AND QUALITY ASSURANCE**  
**(2019 Pattern) (Semester - VII) (Elective-IV) (410245-D)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) Answer Q1 or Q2, Q3 or Q4.
- 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) Define software quality. List & explain core component of quality. [5]  
b) What are the constraints of software product quality assesement. [5]  
c) Explain defect life cycle with the help of diagram. [5]

OR

- Q2)** a) Examine the relationship between quality & productivity. [5]  
b) Explain PDCA cycle. [5]  
c) Plan software quality control with respect to college attendance software. [5]

- Q3)** a) Write test cases for login validation. [5]  
b) What are the entry & exit criteria of testing. [5]  
c) Analyse test policy & test strategy which is included in test documentation. [5]

OR

- Q4)** a) Explain use case testing with one example. [5]  
b) How can you classify the role of software [5]  
c) Differentiate between test plan & test strategy [5]

