

Total No. of Questions : 4]

SEAT No. :

P-5199

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q1 or Q2, Q3 or Q4.*
- 2) *Figure to the right indicate full marks.*
- 3) *Assume suitable data, if necessary.*

Q1) a) Define “Quality” as viewed by different stakeholders of software development and usage. **[5]**

b) Describe “Total Quality Management” Principles of continual improvement. **[5]**

c) Examine the relationship between Quality and Productivity. **[5]**

OR

Q2) a) Give classification for different types of products. **[5]**

b) Plan Software Quality control with respect to space research. **[5]**

c) Compare between tools and techniques. **[5]**

Q3) a) Explain types of test Artifacts. **[5]**

b) Justify : **[5]**

i) Green money 1 cost of prevention.

ii) Red money 1 cost of failure.

c) Discuss Integration testing and Acceptance testing. **[5]**

OR

Q4) a) What are the entry and exit criteria of testing. **[5]**

b) Define and Explain configuration management. **[5]**

c) Differentiate between verification and validation. **[5]**
