

Total No. of Questions : 8]

SEAT No. :

PB3650

[6261]-58

[Total No. of Pages :2

S.E. (Information Technology)

SOFTWARE ENGINEERING

(2019 Pattern) (Semester- IV) (214454)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Attempt 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 indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Assume Suitable data, if necessary.*

Q1) a) What is a component? Explain An Object-Oriented View of components with suitable example. [9]

b) What is an architectural style? Explain different architectural style with suitable example. [9]

OR

Q2) a) What are the characteristics of a good design? Explain Software Quality Guidelines and Attributes of software design. [9]

b) Explain design evaluation cycle. What are design issues we have to consider while designing user interface? [9]

Q3) a) What do you mean by Work Breakdown Structure? Explain representations of WBS with suitable examples. List advantages of WBS. [8]

b) What is Critical Path Method (CPM)? Explain the components of CPM. Explain key steps in Critical Path Method using suitable example. [9]

OR

Q4) a) What is Project Management Spectrum? Explain the W5HH Principle. [8]

b) What do you mean by Software measurement? Explain size & function-oriented metrics with suitable examples. [9]

P.T.O.

Q5) a) Define quality. What is Cost of Quality? Explain types of Cost of Quality in details. [9]

b) What is software testing? Why it is important? Explain Principles of Software Testing. [9]

OR

Q6) a) Compare Software Quality Assurance, Software Quality Control and Software testing. [9]

b) Explain defect management. Explain various stages of defect management process. [9]

Q7) a) What do meant by Software configuration? Define baseline. What is Software Configuration Objects? [9]

b) Explain test-driven development with neat diagram. [8]

OR

Q8) a) What is CASE workbench? Explain types of CASE workbenches. [9]

b) Explain software reuse. What are approaches of Reuse-based software engineering? What are benefits of software reuse? [8]

