

17513

11718

3 Hours / 100 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Answer any FIVE of the following:** **20**
- a) Explain changing nature of software.
 - b) What are communication principles? Explain their meaning.
 - c) List four objectives of testing.
 - d) Explain briefly unit testing.
 - e) What is alpha-beta testing?
 - f) Describe six sigma for software engineering.
 - g) Explain analysis modeling.
- 2. Answer any FOUR of the following:** **16**
- a) Explain the waterfall model.
 - b) Explain modeling practice in software engineering with principles.
 - c) What do you mean by good test?
 - d) Describe integration testing approach.
 - e) Explain Mcalls quality factor.
 - f) What is an object oriented analysis?

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- 3. Answer any FOUR of the following:** **16**
- a) Difference between prescriptive and agile process model.
 - b) Describe any two core principles of software engineering.
 - c) What is test plan?
 - d) Describe regression testing.
 - e) Explain modality with the help of example.
 - f) What is SPM? Why is it needed?
- 4. Answer any FOUR of the following:** **16**
- a) Explain the concept of software requirement specification.
 - b) Explain characteristics of software testing.
 - c) State eight benefit of ISO standards
 - d) Explain DFD with example.
 - e) Explain the concept of Gantt chart.
 - f) Explain CPM. How is it different from pert?
- 5. Answer any TWO of the following:** **16**
- a) What is software? What are its characteristics?
 - b) What are major task of requirement engineering?
 - c) Explain the term debugging. Explain different debugging.
- 6. Answer any FOUR of the following:** **16**
- a) Explain Deployment principles.
 - b) Differentiate between validation and verification.
 - c) Explain about software quality assurance.
 - d) Describe behavioral model.
 - e) What is project scheduling?
 - f) Explain SCM.
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