

(3 Hours)

[Total: 80 Marks]

- Note :** (1). Question number 1 is compulsory.
(2). Attempt any three questions from the remaining.
(3). Assume suitable data wherever necessary.

- Q1 Solve any Four out of Six
- a) What are major challenges in software engineering? 05
- b) What is a Feasibility Study? 05
- c) write about the Non Functional Requirements for “Online Pizza Ordering system”. 05
It should contains following:
1.Performance
2.Availability
3.Reliability
4.Security
5.Maintainability
- d) Explain Evolutionary process model? 05
- e) What is the difference between bug, error and defect explain with example. 05
- f) Discuss Mc-Calls Quality factors? 05
- Q2a) Draw UML Use Case diagram and Class Diagram for “Smart Agriculture Monitoring System”. 10
- b) Explain COCOMO Model with example. 10
- Q3a) Explain Function Point Cost Estimation Technique with example. 10
- b) Draw UML Component Diagram and Deployment Diagram for “College Management System”. 10
- Q4a) Formal Technical Review (FTR)in details? 10
- b) Discuss the various types of design patterns. 10

