

Time: (2½ Hours)

[Total Marks: 75]

- N. B.: (1) All questions are compulsory.
(2) Answers to the same question must be written together.
(3) Numbers to the right indicate marks.
(4) Draw neat labeled diagrams wherever necessary.

Q.1 Attempt any three of the following:

15

- State the difference between Contract Management and Technical Project management
- What is program management? State the core program management processes
- What is risk management? Describe its details.
- What is Project Charter? Explain briefly
- Describe the project management life cycle.
- What is WBS? State its benefits

Q.2 Attempt any three of the following:

15

- Explain Advantages and Disadvantages of Incremental model
- Explain software process models
- Explain Agile testing methods?
- Discuss about Waterfall Model
- Explain COCOMO II Model?
- Discuss on the Selection Process Parameters for a Software Life Cycle Model?

Q.3 Attempt any three of the following:

15

- Describe the PERT Technique in detail.
- Explain Boehm's top ten software project risks and the different strategies for reducing it.
- Explain the different categories of cost incurred in a software project.
- Write a short note on Risk Planning
- Describe the Framework for Dealing with Risk.
- What is resource smoothing?

Q.4 Attempt any three of the following:

15

- Explain review process model with the help of diagram.
- Explain the main sections in a requirement document for contract placement.
- Explain Earned value analysis technique in detail
- Explain the Maslow's Hierarchy of needs
- Explain the different stages in contract placement
- Explain the methods to increase staff motivation

Q.5 Attempt any three of the following:

15

- What are the five major activities for closing a project?
- Explain The benefits of a communication plan
- Explain the different levels of software testing
- What are the advantages and disadvantages of software metrics?
- Explain in detail Software Quality Models and its types.
- What are the five major activities for closing a project?
