

## C9-R3: ADVANCED SOFTWARE PROJECT MANAGEMENT

### NOTE:

1. Answer question 1 and any FOUR questions from 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time: 3 Hours

Total Marks: 100

1.
  - a) What are the purposes of project mission statement and project boundaries?
  - b) What is a contract dispute? How can it be resolved with the help of contract documentation?
  - c) What is Budgeted Cost of Work Performed ("BCWP")?
  - d) What are the features of Arrow Diagramming Method in project planning?
  - e) What is the utility of S-curve in project management?
  - f) What is scenario planning?
  - g) Name some important Algorithmic techniques for software effort estimation.

**(7x4)**
  
2.
  - a) What are the sources of risk in software project management?
  - b) How can you perform risk assessment and then control the predictable risks?

**(10+8)**
  
3.
  - a) Discuss different way of measuring on-going work progress.
  - b) Give reasons why the project manager frequently resists changes.
  - c) What is purpose of specifying priorities and margin in defining requirements?

**(6+6+6)**
  
4.
  - a) Even after so many years of rigorous research, theory and practice developments in software project management, software projects often fail. Reason this statement. How can software measurements help?
  - b) Explain the use of commonly defined project management metrics?

**(8+10)**
  
5.
  - a) What are the characteristics of a good software configuration management plan?
  - b) Write the outline of a typical CM plan.

**(8+10)**
  
6. Explain the following terms with example.
  - a) Accountability/Responsibility Matrix
  - b) Choice of an Organization Structure for software project
  - c) Project Tracking and Control

**(6+6+6)**
  
7.
  - a) What is a baseline plan? What is baseline review?
  - b) Discuss the characteristics of an audit process. Bring out the use of audit process for quality assurance.

**(8+10)**