

Roll No.

2412

B.E. 7th Sem. (I.T)

Examination, December, 2013

SOFTWARE PROJECT MANAGEMENT

'E' Scheme

Paper : CSE-403-E

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions.

1. Define the term Software Project. How it is different from other projects ? Describe the various activities involved in software project design and implementation. 20
2. Describe the following briefly : 5 x 4 = 20
 - (i) Resource Allocation
 - (ii) Project Selection
 - (iii) Analyzing Project characteristics
 - (iv) Effort Estimation

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3. (a) Differentiate between waterfall and spiral models with their relative merits and demerits. 10
- (b) Explain Cost Benefit Evaluation Techniques in detail. 10
4. (a) What is Risk management and why it is important ? Discuss the tools and techniques used for risk identification. 10
- (b) What is critical path ? Explain the steps to identify critical path using some suitable example. 10
5. (a) Describe Resource Allocation discussing the nature of resources and resource requirements. 10
- (b) Describe the software effort estimation techniques in detail with their relative merits and demerits. 10
6. (a) Explain Organizational structure ? How you can improve quality of software using good leadership ? 10
- (b) Describe the Human Resource Management aspect in software project management. 10
7. (a) What are the different parameters for measuring the quality of software project ? Also explain different techniques for enhancing the quality of software project. 10
- (b) Explain the following : $2 \times 5 = 10$
- (i) ISO 9126

(ii) Product versus Process Quality.

8. Explain the following :

5 x 4 = 20

- (i) Earned Value Analysis
- (ii) Forward and Backward Pass
- (iii) Contract Management
- (iv) Project 2000

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