

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 1040

Roll No.

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B.Tech.

SIXTH SEMESTER EXAMINATION, 2004-2005

SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours

Total Marks : 100

Note : (i) Attempt **ALL** questions.

(ii) All questions carry equal marks.

1. Attempt **any four** parts of the following : (5x4=20)

- (a) Explain various activities covered by Software Project Management in short.
- (b) Explain various problems encountered with software projects.
- (c) Explain requirement specification in detail.
- (d) Write down the outline of stepwise planning activities.
- (e) What is project infrastructure ? Explain how to identify the same.
- (f) What are project characteristics ? Explain how to analyse the same.

2. Attempt **any four** parts of the following :
- (a) Differentiate between strategic assessment and technical assessment.
 - (b) Explain cost-benefit analysis.
 - (c) What is Pay back period and Return on investment ? Explain with suitable example.
 - (d) What do you mean by Risk evaluation ? Explain.
 - (e) Differentiate between Rapid application development and the waterfall model.
 - (f) What are the various software prototypes ? Explain in detail.
3. Attempt **any two** parts of the following : (10x2=20)
- (a) Explain software effort estimation techniques in detail.
 - (b) Explain COCOMO in short.
 - (c) Differentiate between CPM and PERT with suitable example.
4. Attempt **any two** parts of the following : (10x2=20)
- (a) Explain Risk analysis in detail.
 - (b) Explain the nature of various resources in detail.
 - (c) How to prioritize the monitoring ? Explain.

5. Attempt *any two* parts of the following : (10x2=20)

- (a) Explain software quality in detail.
- (b) What is software quality assurance ? Explain in detail.
- (c) Explain ISO 9126.

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