



Printed Pages : 2

TIT - 601

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

PAPER ID : 1310

Roll No.

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## B. Tech.

(SEM. VI) EXAMINATION, 2008-09

### SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

1 Attempt any **four** parts of the following :  $5 \times 4 = 20$

- What is scope of a project? Explain with example.
- Explain various activities covered by software project management.
- What is project schedule? Explain by giving a suitable example.
- What is stepwise project planning? Explain.
- Discuss various types of software projects.
- Explain milestones and deliverables in reference to project planning.

2 Attempt any **four** parts of the following :  $5 \times 4 = 20$

- Explain any **one** cost-benefit evaluation technique with suitable example.
- What is technical assessment? Explain how it is different from strategic assessment in detail.
- What is rapid application development? Explain in detail.



- (d) Explain V-process model in detail.
- (e) Compare the basic features of waterfall model, spiral model and prototype model.
- (f) Explain cash-flow forecasting in detail.
- 3 Attempt any **two** parts of the following : **10×2=20**
- (a) Explain function points Mark II method in detail.
- (b) Explain Cocomo in detail.
- (c) What are various software measurement metrics? Explain any **one** of them in detail with example.
- 4 Attempt any **two** parts of the following : **10×2=20**
- (a) Differentiate between known risk and predictable risks and then explain what is risk driver.
- (b) Describe the following:
- (i) Contract management
- (ii) Human resource management
- (c) Explain the term "scheduling resources" in detail.
- 5 Attempt any **two** parts of the following : **10×2=20**
- (a) Explain software quality assurance and also discuss the various software quality assurance activities.
- (b) Explain the following :
- (i) Product quality management
- (ii) ISO 9126 standard
- (c) Discuss SEI process capability maturity model in detail.

