TIT – 601

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

PAPER ID : 1310   Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

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 :   5×4=20

(a)   What is scope of a project? Explain with example.

(b)   Explain various activities covered by software project management.

(c)   What is project schedule? Explain by giving a suitable example.

(d)   What is stepwise project planning? Explain.

(e)   Discuss various types of software projects.

(f)   Explain milestones and deliverables in reference to project planning.

2   Attempt any **four** parts of the following :   5×4=20

(a)   Explain any **one** cost-benefit evaluation technique with suitable example.

(b)   What is technical assessment? Explain how it is different from strategic assessment in detail.

(c)   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) Expain 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.