B. Tech.

(SEM. VI) EXAMINATION, 2007-08

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 :   5×4=20

(a)   Explain various problems with software projects in detail.

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

(c)   Write down the Outline of stepwise planning activities.

(d)   What is resource allocation ? Explain.

(e)   What do you mean by the term project infrastructure ? Explain how to identify the same.

(f)   What is activity risks ? How it can be identified and quantified ? Explain.

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

   (a)   What is Cost-benefit analysis ? Explain in detail.

   (b)   What do you mean by strategic assessment ? Explain.

   (c)   Explain the term risk evaluation in detail.

   (d)   Explain Water fall model in detail.

   (e)   What is software prototyping ? Explain in short.

   (f)   Explain return on investment and pay back period with example.

3   Attempt any **two** parts of the following :   10×2=20

   (a)   Explain COCOMO in detail.

   (b)   Explain function point analysis in detail.

   (c)   What do you mean by projects and activities ? Explain various approaches to identify the activities.

4   Attempt any **two** parts of the following :   10×2=20

   (a)   Define nature of risk and then explain risk engineering in detail.

   (b)   Explain various types of contracts in detail.

   (c)   Describe the following :

      (i)   Contract Management

      (ii)   Human Resource Management.

5   Attempt any **two** parts of the following : $10 \times 2 = 20$

   (a)   Explain SEI process CMM in detail.

   (b)   Define the following :

       (i)   ISO 9126 Standard

       (ii)   Product Quality Management

   (c)   Explain software quality assurance in detail.

————————