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

PAPER ID : 2979   **Roll No.** ☐☐☐☐☐☐☐☐☐☐

B.Tech.

(SEM. VII) THEORY EXAMINATION 2011-12

PROJECT MANAGEMENT

EPL032

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

PAPER ID : 2789   **Roll No.** ☐☐☐☐☐☐☐☐☐☐

(SEM. VII) THEORY EXAMINATION 2011-12

PROJECT MANAGEMENT

Time : 3 Hours   *Total Marks : 100*

Note :— (1) Attempt **all** the questions.

(2) All questions carry equal marks.

(3) Be precise in your answer.

(4) Assume suitable value for missing data if any.

1. Attempt any **four** parts of the following :   **(5×4=20)**

(a) Describe various stages of project cycle.

(b) Discuss how benchmarking may be used in project environment.

(c) What are the techniques of effective project control ?

(d) What are the basic forms of systems models ?

(e) Explain the different sources from which new project ideas can be formed.

(f) What are the policies and regulatory measures through which the Govt. regulates the pattern of resource allocation ?

2. Attempt any **two** parts of the following :   **(10×2=20)**

(a) How do the ideas of the 'seamless enterprise' differ from those functional and matrix management ?

(b) Discuss a typical tender document, keeping the interest of the firm issuing the tender in mind.

(c) 'The success of building a suitable organizational structure rests in proper integration of WBS and OWS'—Explain.

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

(a) What is meant by 'Project appraisal' ? Discuss.

(b) What are the objectives of 'Social cost benefit analysis' ? Discuss the approach in brief.

(c) What are the different sources of project finance ? Give a brief account of each of them.

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

(a) (i) Define the term 'Project Scheduling'.   **(2)**

(ii) Draw a network diagram containing the following activities :

Activity	Immediate Predecessors
A	
B	
C	A
D	B
E	C,D
F	C,D
G	E
H	F
I	G,H

(8)

(b) (i) Give a brief account of 'Time-Cost trade-off'. (2)

(ii) For a project the activities lying on critical and different times associated with these activities are given below. Calculate the probability of completing the project in 50 days. Given from the normal distribution table, for $Z = +1.03$ table value = 0.3485 and $Z = +1.04$ table value = 0.3508.

Activity	to (days)	tp (days)	tm(days)
A	4	6	4.5
D	2	4	2.5
E	6	20	8
F	12	20	16
H	10	16	12

(8)

(c) Explain 'Total float', 'Free float' and 'Independent float' of activities and their significance in management decisions.

5. Attempt any **two** parts of the following : **(10×2=20)**

   (a) Discuss precedence diagramming method with help of a suitable example.

   (b) Discuss the complexity of project scheduling with limited resource.

   (c) What are the essential requirements of project management software ? List some of the package available.