

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

PAPER ID : 2979

Roll No.

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**B.Tech.**

(SEM. VII) ODD SEMESTER THEORY

EXAMINATION 2013-14

**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 do you mean by taxonomy of projects ?
  - (d) What are the different procedure for identification and formulation of projects ?
  - (e) What do you mean by project environment and complexity ?
  - (f) What do you mean by project goal ? Explain in short different issues of PM.



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

- (a) How do the ideas of the 'seamless enterprises' differ from those functional and matrix management ?
- (b) What do you mean by selection of project ? Explain in detail about organization structure.
- (c) What are project contracts ? Explain different types of contracts. What are the different types of payments to contractors ?

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

- (a) What is meant by 'Project appraisal' ? Discuss in brief about technical appraisal, commercial appraisal, economic appraisal, financial appraisal and management appraisal.
- (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 : 8

Activity	Time Duration (Days)	Immediate Predecessors
A	3	—
B	5	—
C	7	—
D	4	C
E	7	A,B
F	3	E,D
G	1	E,D
H	2	F,G

(1) Indicate the critical path.

(2) What is the project completion time ?

- (b) What do you mean by cost accounting system of PERT and CPM ? Explain about lowest cost schedule.
- (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.