

A 1113

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Eighth Semester

Civil Engineering

CE 435 — MANAGEMENT CONCEPTS FOR CIVIL ENGINEERS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Area under Normal Distribution Curve Table is allowed.

PART A — (10 × 2 = 20 marks)

1. What do you mean by Inventory?
2. Define Independent Float.
3. What is Pay back Period?
4. State the importance of Market Research.
5. What is meant by Resource Levelling?
6. What is EOQ?
7. Define Collective Bargaining.
8. What do you infer from 'Labour Turnover'?
9. What is a Milestone in a Project?
10. Define BCWP.

PART B — (5 × 16 = 80 marks)

11. (a) List out Henry Fayol's Principle of Management. Briefly Explain them.

Or

- (b) A small project is composed of seven activities whose time estimates are listed in the Table as follows.

Activity		Estimated Duration (Weeks)		
i	j	Optimistic	Most Likely	Pessimistic
1	2	1	1	7
1	3	1	4	7
1	4	2	2	8
2	5	1	1	1
3	5	2	5	14
4	6	2	5	8
5	6	3	6	15

- (i) Draw the Project Network.
 (ii) What is the probability that the project will be completed by atleast 4 weeks earlier than expected.

12. (a) Describe the role and purpose of Market Segmentation.

Or

- (b) Explain the various methods used for the appraisal of projects with suitable examples.

13. (a) Explain with a situation in managing the equipment through buying and through leasing more economically.

Or

- (b) The following information is known about a group of items. Classify the material in A, B, C classification .

Model No.	Annual Consumption in pieces	Unit Price Rs.
501	30000	10
502	280000	15
503	3000	10
504	110000	5
505	4000	5
506	220000	10
507	15000	5
508	80000	5
509	60000	15
510	8000	10

14. (a) Enumerate the functions of HR Management in the growth of an Organisation.

Or

- (b) Explain about the provision of Compensation systems in the Construction Industry.

15. (a) Explain with an example about the various stages in the management of a Construction Project.

Or

- (b) Explain briefly about the various software tools available for the management in Construction Industry.