

[01-4107]

IV/IV B.E. DEGREE EXAMINATION.

First Semester

Civil Engineering

PROJECT PLANNING AND MANAGEMENT

(Common with Civil Environmental Engineering)

(Effective from the admitted batch of 2006–2007)

Time : Three hours

Maximum : 70 marks

Question No. 1 is compulsory.

Answer any FOUR from the remaining.

All questions carry equal marks.

1. (a) Define the dummy activity used in a network state the two purposes for which it is used.
- (b) What is resource smoothening?
- (c) What is practical significance of EMD?
- (d) Explain the concept of Scientific Management.
- (e) What are the functions of construction management?

8. Write short notes on

- (a) Recruitment process and training development
- (b) Master Roll
- (c) Milestone Chart.

- (f) Differentiate valid and void contract advantages over bar chart.
- (g) What is Mile stone chart? State its advantages over bar chart.

2. Differentiate between

- (a) CPM and PERT
- (b) Float and Slack
- (c) Activity and event
- (d) EAOT and LAOT

3. A project had 12 activities A to L

- (a) Activities B, C and D follow A
- (b) Activity E follows B
- (c) Activity F follows C
- (d) Activity G follows D but cannot start until C is over
- (e) Activities H and I follow F
- (f) Activity K follows E and H
- (g) Activity J follows G and I
- (h) Activity L follows J and K

Develop the network for the project

4. Draw the network diagram and find out the critical path and the completion time of the project whose activities are given below.

Activity	Duration	Proceeding Activity (in days)
A-B	7	-
B-C	10	A - B
B-D	15	A - B
C-D	7	B - C
C-E	12	B - C
D-E	3	B - D, C - D
E-F	5	C - E, D - E

5. What is updating? When to update? Explain the process of up dating with examples.
6. What is Tender? Explain the procedure for bidding? Discuss Irregularities and Award of contract.
7. What are labour problems in construction industry? State salient features of labour legislation in India.