

- (g) Suggest a suitable method for submitting the periodical reports for effective control through CPM.
- (h) What are the main objectives of cost control system?
- (i) Differentiate between CPM and PERT.
- (j) Write down the advantages of Hoisting equipments.

Section-B

2. Attempt any 5 questions from this section.

(10 × 5 = 50)

- (a) What are the different types of organizational structures? Outline in brief the characteristics, advantages and disadvantages of each structure.
- (b) In what respect does the functional organization differ from the line-and-staff organization ?
- (c) Discuss in details about the limitations of a bar chart.
- (d) Illustrates the relationship between 'time' and 'cost'.
- (e) Write short notes on :
 - (i) Network comparisons
 - (ii) Project cost analysis

(2)

3005/270/406/10150

- (g) Discuss elements of cost control and its importance.
- (h) How are cost control systems classified? Explain.
- (i) Write down the elements of Tender preparation.

Section-C

Note : Attempt any 2 questions from this section.

(15 × 2 = 30)

3. (a) Explain: 'work breakdown structure', prepare the work breakdown structure for the launching of a communication satellite. Assume the activities suitably.

- (b) A target date of completion is to be forecast based on the following information :

Item A takes 7 weeks for completion

Item B takes 5 weeks

Item C depends on the completion of both A and B and requires 3 weeks

Item D follows up of item C and requires 2 weeks

Prepare a bar chart and mile stone chart for scheduling the completion date.

(3)

P.T.O.

3005/270/406/10150

4. (a) The time estimates for the activity P,Q and R in a project are as follows :

Activity	t_o	t_m	t_p
P	10	12	14
Q	6	8	12
R	5	10	12

- (i) Determine the expected time and variance of each activity.
- (ii) Which activity has more reliable time estimates?
- (b) Discuss briefly about cash flow forecasting.
5. (a) Explain in details about different types of contract and their relative advantages and disadvantages.
- (b) Explain the following with neat sketch:
- (i) Hauling equipments
- (ii) Conveying equipments
- (iii) Tunneling equipments

(4)

3005/270/406/10150