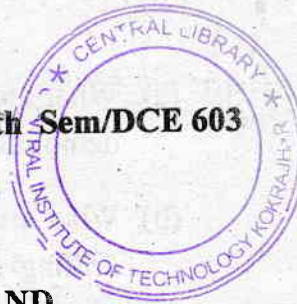


Total number of printed pages = 3

19/6th Sem/DCE 603



2022

**CONSTRUCTION AND  
PROJECT MANAGEMENT**

Full Marks – 100

Time -- Three hours

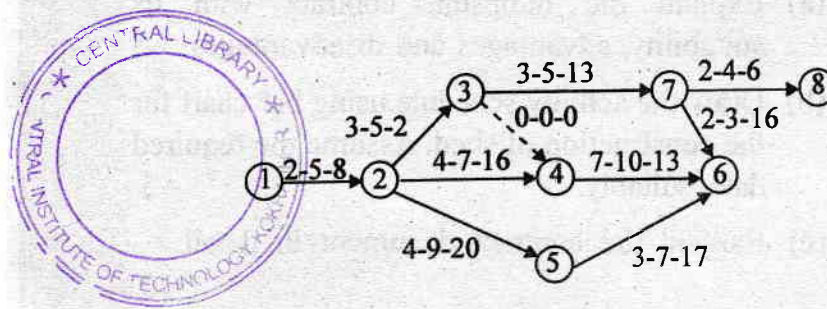
The figures in the margin indicate full marks  
for the questions.

Answer any *five* questions.

1. (a) What are the purposes of construction management? 5
- (b) What are the resources required for construction activity? 5
- (c) Explain different stages in construction. 10
  
2. (a) Explain the lumpsum contract with its suitability, advantages and disadvantages. 5
- (b) Draw the activity schedule using bar chart for the construction of shed. Assume the required data suitably. 5
- (c) Explain the contract document in detail. 10

[Turn over

3. (a) What are the safety measures adopted during demolition of a structure ? 5
- (b) What are the safety measures adopted during drilling and blasting ? 5
- (c) Give the comparison between PERT and CPM. 10
4. (a) Explain different types of time estimates used in PERT. 5
- (b) Explain cost plus fixed fee contract in detail. 5
- (c) Explain different types of civil engineering drawings in detail. 10
5. For the network shown below, calculate the expected time, variance for each activity, slack for each event and find the critical path. 20



6. Find the floats of all the activities and the critical path of the network given : 20

