

- a) What is critical path?
- b) Distinguish between CPM and PERT.
- c) What do you understand by total float?
- d) Draw typical cost duration curve.
- e) What is time estimate?
- f) Explain Flexible Budget.
- g) List two disadvantages of small trucks.
- h) What are the essential components of belt conveyor system?
- i) What is meant by resource smoothing?
- j) Define Dummy.

SECTION-B

- Q2 Define construction management and state objectives of construction management.
- Q3 Explain the term depreciation and discuss any one method to determine depreciation.
- Q4 Explain in detail various factors affecting the selection of construction equipments.
- Q5 What are Hoisting equipments? Discuss any two of commonly used hoisting equipments.
- Q6 What are the uses of power shovels? Describe with neat sketch basic parts and operation of power shovel.

SECTION-C

- Q7 Draw the flow diagram and explain the working of hot mix bitumen plant.
- Q8 Write short notes on following :
- a) Conveyor belt
 - b) Idlers
 - c) Wagons
- Q9 For the construction of a health centre building the following activities are to be performed :

Activities	Duration (weeks)
P	1
Q	3
R	1
S	3
T	5
U	3
V	4
W	3

Activities P and Q can be performed in parallel; activities R and S cannot start until P is complete : T cannot start until half the work of the activity R is complete ; activity U can start only after activity S is complete; activity N succeeds activity R and activity W which is the last activity succeeds T.