

(B) Differentiate PERT V/S CPM (07)

OR

- Q-3 (A) What is dummy activity? Explain Event & Activity. (7)
(B) What is Formulation? (7)

SECTION – II

- Q-4 Define the following terms: (07)
- a. Events in Network 2
 - b. Looping in Network 2
 - c. Linear Equation 2
 - d. Slack Variable 1

Q-5 Attempt all questions (14)

- (A) Find Out the solution using the NWCM,LCM METHOD. (07)

	D1	D2	D3	D4	SUPPLY
S1	19	30	50	10	7
S2	70	30	40	60	9
S3	40	8	70	20	18
DEMAND	5	8	7	14	34

- (B) Explain Hungarian Method for optimal solution.(Assume Suitable Data whenever Necessary) (07)

OR

- Q-5 (A) Explain Graphical solution methods of LP problem. (Assume Suitable Data Whenever Necessary). (07)
(B) Enlist the various steps of simplex Method algorithm for Minimization Case. (07)

Q-6 Attempt all questions (14)

- (A) Enlist the various steps of simplex Method algorithm for Maximization Case. (07)
(B) Explain assignment problem and their feasible solution with example. (07)

OR

Q-6 Attempt all Questions (07)

- (A) Find Out the solution using the Vogel's approximation method (07)

	D1	D2	D3	D4	SUPPLY
S1	19	30	50	10	7
S2	70	30	40	60	9
S3	40	8	70	20	18
DEMAND	5	8	7	14	34

- (B) Explain slack, surplus and artificial variables with suitable example. (07)

