

Total No. of Printed Pages:2

SUBJECT CODE NO:- H-146
FACULTY OF ENGINEERING AND TECHNOLOGY
B.E. (Civil)
Construction Management
(REVISED)

[Time: Three Hours]

[Max.Marks: 80]

Please check whether you have got the right question paper.

- N.B
1. Solve any three questions from each section.
 2. Figures to right indicate the maximum marks.

Section A

- Q.1 a) List out the rights and responsibilities of project manager. 07
 b) Explain the role of construction industry in national development. 06
- Q.2 a) Explain in brief various parts of dragline with sketch. 07
 b) Describe the term project monitoring and control. 07
- Q.3 Tables gives the information about various activities of network shown in below given table. draw the network and compute early start time, early finish time, latest start time, latest finish time and total float. 13

Activity	1-2	1-3	2-4	2-5	3-5	3-6	4-7	5-7	6-7
Duration	7	3	10	5	3	5	7	10	5

- Q.4 a) Distinguish between PERT and CPM. 07
 b) Discuss time estimate in PERT. 06
- Q.5 Write short notes on any three 12
- i) Hydraulic Excavator
 - ii) Cost Optimization
 - iii) Work break down Structure
 - iv) Feasibility Studies

Section B

- Q.6 a) Enlist the different investment Criteria method? Explain any one in detail. 07
 b) Explain Fixed Capital and Working Capital. 07
- Q.7 a) Describe in details tools used for safety in construction project. 07
 b) Explain Wage Structure. 06
- Q.8 a) Explain the term Downward and Horizontal communication. 06
 b) Distinguish between Oral and written communication. Mention under which circumstances each is used. 07

- Q.9 a) Explain in detail “Economic Order Quantity” 07
- b) A factory uses two pieces per day of a rod 6mm in diameter of 150mm long in one of their manufacturing processes. The rod cost Rs 3 each and the total expenses involved in purchasing and receiving them are Rs 50. Ordering the annual inventory carrying cost per item is Rs 1. The procurement period is 3 days and minimum stock kept is 8 pieces. Determine: 06
- Standard ordering quantity
 - Reorder point
 - Maximum Stock
- Q.10 Write short notes on any three 12
- Net Present Value
 - ABC Analysis
 - Microsoft Project Planning
 - Manpower management in Construction Industry