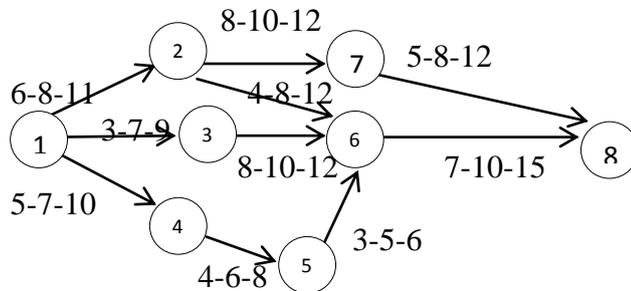


“Please check whether you have got the right question paper.”

- i) Solve any three questions from each section.
- ii) Assume suitable data wherever necessary.
- iii) Figures to the right indicate full 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. | 07 |
| Q.2 | a) Describe in brief project initiation and project implementation. | 07 |
| | b) Explain the term project management life cycle. | 06 |
| Q.3 | a) Explain the criteria for selection of construction equipment for projects. | 07 |
| | b) Describe in brief the various parts of dragline with sketch. | 06 |
| Q.4 | The network for a certain project is shown in the fig.1 determine the expected time for each of path which path is critical. | 13 |



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|-----|--|----|
| Q.5 | Write short notes on (<u>any three</u>) | 12 |
| | i) Cost optimization construction management | |
| | ii) Network updating | |
| | iii) CPM | |
| | iv) Hydraulic excavator. | |

SECTION-B

- | | | |
|------|---|----|
| Q.6 | a) Describe the terms fixed capital and working capital. | 07 |
| | b) Explain the term cost of project . | 07 |
| Q.7 | a) Explain wage structure. | 07 |
| | b) Explain the importance of manpower in construction organization. | 06 |
| Q.8 | a) Explain the terms internal and external communication. | 07 |
| | b) Write a note on effective organizational communication. | 06 |
| Q.9 | a) Discuss EOQ model n detail. | 07 |
| | b) A construction company purchases 1000 bags of cement anually.each bag of cement costs Rs. 200 and the cost incurred in procuring each lot is Rs. 100. The cost of carrying is 25% what is the most economic order quantity? What is the average inventory level? | 06 |
| Q.10 | Write short notes on (<u>any three</u>) | 12 |
| | i) Software use in project planning | |
| | i) Oral communication | |
| | ii) Benefit cost ratio. | |
| | iii) Electronic communication. | |