

B.E. Seventh Semester (Civil Engineering) (C.B.S.)
Construction Management and Law

P. Pages : 2

Time : Three Hours



NKT/KS/17/7441

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Due credit will be given to neatness and adequate dimensions.
 9. Assume suitable data whenever necessary.
 10. Diagrams and chemical equations should be given whenever necessary.
 11. Illustrate your answers whenever necessary with the help of neat sketches.
 12. Use of non programmable calculator is permitted.

1. a) What are the provision made for escalation in time and cost escalation. 7
b) Explain the concept of PPP. 6

OR

2. a) What is meant by site planning and explain it. 7
b) Explain : Project Feasibility. 6
3. a) What do you mean by slack of an event, explain head slack and tail slack. 7
b) Explain differentiate between barchart and network. 7

OR

4. a) Draw the CPM network for the following logic & determine critical path. Total float & show the critical path with double lines on the network. If Duration of network is as follows: 14

Activity	A	B	C	D	E	F	G	H	I	J	K
Duration	6	5	3	6	7	7	9	5	4	9	6

The network logic is as follows :

At the start of the project activity A & B are the initial activities & are done concurrently, D follows A, C & F Follows B, E Follows C & A, G & H follows E, J follows both D & G, I follows F, K follows both H & I, J & K are parallel activities & the project ends.

5. a) Define Inventory and list of various inventory techniques. Explain any one. 7
b) Explain in details function of personal manager. 6

OR

6. a) What are different methods of calculating depreciation? Calculate total depreciation and book value for given data by sinking fund method. 7
Cost of equipment = Rs. 3,50,000/-
Salvage Value = Rs. 25,000/-
Life of Equipment = 7 Yrs.

b) Write a short note on Bulldozers, power shovels. 6

7. a) What are the various types of accident and its causes? 7

b) Explain management information system. 7

OR

8. a) Write a short note on safety provision as per national building code of India. 7

b) Explain the function and objective of material management. 7

9. a) Explain town planning requirement aim and its objectives. 7

b) Write a short note on irrigation act. 6

OR

10. Write a note on : 13

a) MRTP Act

b) Highway Act

c) Housing Development Act

11. a) Write a note on forest conservation act. 7

b) Discuss air pollution act. 6

OR

12. a) Define **any three**. 7

i) Contract

ii) Agreement

iii) Proposal

iv) Consideration

v) Consent

b) Explain in brief registration act and stamp duty law. 6
