

Total No. of printed pages = 4

END SEMESTER EXAMINATION – 2020

Semester : 6th

Subject Code : CT-603

**CONSTRUCTION AND PROJECT
MANAGEMENT**

Full Marks: 70

Time : Three hours

The figures in the margin indicate full marks
for the questions.

Instructions :

1. Questions of PART-A are compulsory.
2. Answer any *five* questions from PART-B.

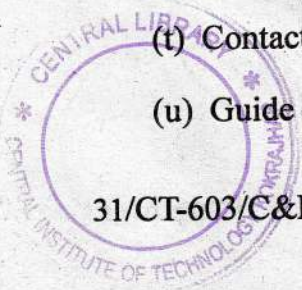
PART-A

1. Define the following : 1×25=25
 - (a) Activity
 - (b) Event
 - (c) Dummy activity
 - (d) Optimistic time



[Turn over

- (e) Head event
- (f) Contract
- (g) Pessimistic time
- (h) Tail event
- (i) Most likely time
- (j) AOA network
- (k) Light construction
- (l) Contract drawings
- (m) Heavy construction
- (n) Working drawings
- (o) Lump sum contract
- (p) Arbitration
- (q) Cost plus fixed fee contract
- (r) Negotiated contract
- (s) Continuing contract
- (t) Contract specifications
- (u) Guide specification



(v) Standard specification

(w) Network

(x) EST

(y) EFT

PART-B

2. Answer any *five* questions from the following :

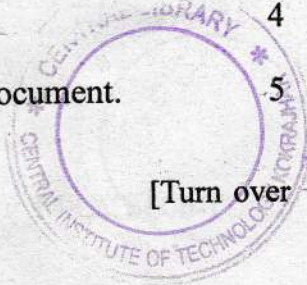
9×5=45

- (i) (a) Explain special construction. 3
(b) Explain briefing stage in construction. 3
(c) What are the advantages of bar chart ? 3
- (ii) (a) Explain item rate contract. 3
(b) Explain package contract. 3
(c) Explain running contract. 3
- (iii) (a) What are the differences between PERT and CPM ? 4
(b) Explain contract document. 5

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(3)

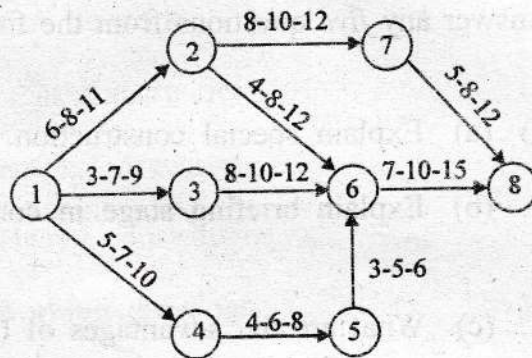
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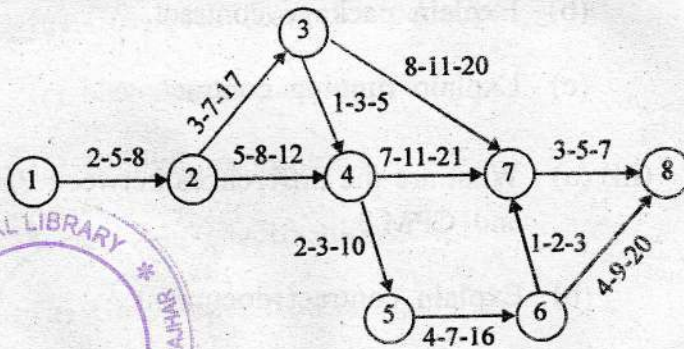
(iv) (a) How to settle dispute between owner and contractor without court intervention? 4

(b) Explain safety measures for drilling and blasting. 5

(v) Find the critical path for the network shown below : 9



(vi) Find the project completion time for the network shown below : 9



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(4)

50(W)