

320615(20)

B. E. (Sixth Semester) Examination, April-May 2020

(Old Scheme)

(Civil Engg. Branch)

CONSTRUCTION PLANNING & MANAGEMENT

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

***Note : Part (a) of each question is compulsory.
Attempt any two parts from (b), (c) and (d)
question in each unit.***

Unit-I

1. (a) What are the objectives of cost control? 2
- (b) What are the different stages and types of planning in construction management? 7

[2]

- (c) Explain the cost control system. 7
- (d) What are the advantages and disadvantages of project planning? 7

Unit-II

- 2. (a) Define PERT. 2
- (b) Write about the characteristics of CPM/PERT projects. 7
- (c) What are the short comings of bar chart? How are these removed? 7
- (d) Find the floats of all activities and the critical path of the network given in figure-1. 7

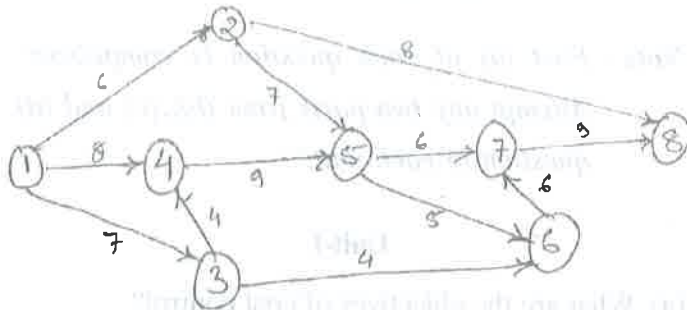


Fig. (1)

Unit-III

320615(20)

[3]

- 3. (a) What do you understand by arbitration? 2
- (b) Discuss the different factors leading to accidents in construction projects. 7
- (c) Explain the basic elements of quality with a flow diagram. 7
- (d) What are the difference between traditional management and TQM? 7

Unit-IV

- 4. (a) What is MIS? 2
- (b) Write notes on : 14
 - (i) Economic Analysis
 - (ii) Technical Analysis
- (c) Explain the schematic diagram for feasibility study. 14

Unit-V

- 5. (a) What do you mean by Hauling? 2
- (b) What are the factors affecting the selection of construction equipments? 7

320615(20)

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- (c) Write a brief note on : 7
- (i) Scrapers
 - (ii) Dozers
- (d) Explain the various concrete production plants used in construction industries. 7