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GIET UNIVERSITY, GUNUPUR – 765022
 M. Tech (Third Semester – Regular) Examinations, Dec 2020
MOESE 3012 – Project Planning And Construction Management
 (Structural Engineering)

Time: 2 hrs

Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART – A (2 x 10 = 20 Marks)

Q.1. Answer ALL questions

- Define the term : work tasks.
- State the purpose of a coding system.
- What is the significance of critical path?
- State the factors affecting the quality of construction.
- Enlist the problems encountered in cost control.
- What is meant by cost committed and cost exposure?
- Bring out the difference between earnest money deposit and security deposit.
- How are construction accidents classified?
- Write the important aspects to be considered in materials procurement.
- What do you understand by injury index?

PART – B (6 x 5 = 30 Marks)

Answer ANY FIVE questions

Marks

- Write the advantages and limitations of planning. (6)
- A building project consists of 10 activities represented by the A – O – A network as shown in Fig.1. For the network, compute the earliest and latest activity times and total float for each activity and determine the critical path. Also, draw the A – O – N network for Fig.1. (6)

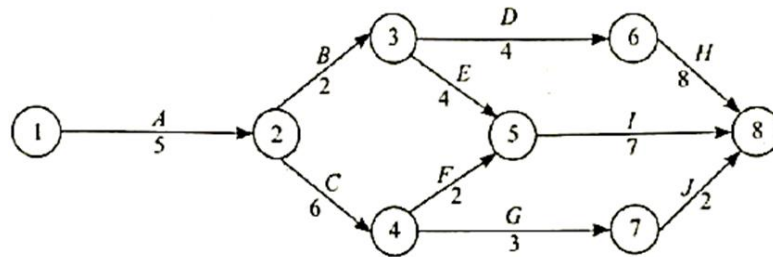


Fig. 1

- Discuss the various conditions of CPWD contract in India. (6)
- Describe the major types of equipment most commonly employed in construction. (6)
- Briefly describe the estimation of profit by “completed contract method” and “percentage of completion method”. Illustrate with an example. (6)
- Explain the following (i) Depreciation cost (ii) Downtime cost (6)
- Write a note on the organisation for quality control. (6)
- Give the various approaches to improve the safety in construction (6)

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