

B.Tech. Civil (Construction Management)

Term-End Examination

December, 2016

00862

ET-525 : CONSTRUCTION MANAGEMENT-II

Time : 3 hours

Maximum Marks : 70

Note : Answer *five* questions in all. Question no. 1 is *compulsory*.

1. Answer any *four* of the following in short

(4 to 5 lines only) :

$$4 \times 3 \frac{1}{2} = 14$$

- (a) Explain Productivity and Quality at construction site.
- (b) Give the advantages of contractual option over departmentally executed work.
- (c) Explain Productivity Performance Index.
- (d) What are the steps involved in Budget Cost Analysis ?
- (e) Differentiate between Management and Construction management.

2. Explain the following in the context of a construction project : $4 \times 3 \frac{1}{2} = 14$

- (a) Project Life Cycle and the number of phases in which it can be categorised.
- (b) Differentiate between Fast track and Sequential approaches of a construction project.
- (c) Explain three factors affecting the productivity and quality at site.
- (d) What are the main sources of project financing?

3 Discuss the merits and demerits of a 'Project form organisation' and a 'Matrix organisation'. 14

4. Explain the term 'Stock Valuation'. Describe in detail any three important techniques of stock valuation. $2 + 3 \times 4 = 14$

5. Explain the following Finance and Accounts terms : $4 \times 3 \frac{1}{2} = 14$

- (a) Construction Accounting
- (b) Management Accounting
- (c) Differential Accounting
- (d) Profit and Loss Account

6. How do you define a contract in legal terms ?
What are its essential elements ? List the
different types of construction contracts. 14
7. Differentiate between the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Capital and Revenue Expenditure/Cost
 - (b) Centralised and Decentralised Purchasing
 - (c) Organisational Culture and Rules
 - (d) Deviation and Modification Orders
8. (a) Draw a schematic diagram showing various
agencies responsible for the management of
a construction site. 7
- (b) "Construction industry is most accident
prone." Are you in agreement with the above
stated view ? Why ? 7
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