



C14-C-505

4622

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2016

DCE—FIFTH SEMESTER EXAMINATION

PROJECT MANAGEMENT FOR CONSTRUCTION

Time : 3 hours ]

[ Total Marks : 80

PART—A

3×10=30

**Instructions** : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State the need for scientific management of projects.
2. Define preliminary estimate and detailed estimate.
3. Write a short note on budget provisions.
4. State the necessity of network analysis.
5. Define (a) dummy activity and (b) total float.
6. Define (a) contract and (b) tender.
7. What is subcontract? Explain.
8. Define (a) indent and (b) invoice.
9. State the requirements of an entrepreneur.
10. Explain the need for developing public relations.

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**PART—B**

10×5=50

- Instructions :** (1) Answer *any five* questions.  
(2) Each question carries **ten** marks.  
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11.** Explain the administrative setup of an engineering department in State Government.
- 12.** The project has nine activities and the expected time of each activity is given below :

<i>Activity</i>	1-2	1-3	1-4	2-5	3-5	3-6	4-6	5-7	6-7
<i>Expected time in days</i>	1	3	4	3	4	5	6	5	2

- (a) Draw network diagram.  
(b) Identify the critical path.  
(c) Draw the table showing EST, LST, EFT and float.
- 13.** With an example, explain the use of bar chart in planning and scheduling.
- 14.** Explain the necessity of tender system and its advantages.
- 15.** Write various legal implementations of a contract.
- 16.** Write short notes on the following :  
(a) Arbitration award  
(b) Advantages of arbitration over Court
- 17.** Briefly explain important aspects to be considered in material procurement.
- 18.** Explain the risks and rewards of entrepreneurship.

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