

4622**BOARD DIPLOMA EXAMINATION, (C-14)****JUNE-2019****DCE - FIFTH SEMESTER EXAMINATION****PROJECT MANAGEMENT FOR CONSTRUCTION**

Time:3 Hours

Max.Marks:80

PART-A**10x3=30M**

Instructions: 1) Answer all questions. Each question carries three marks.
3) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1) State the functions of Management.
- 2) List any three duties of resident engineer.
- 3) Differentiate Preliminary estimate and detailed estimate.
- 4) Define the following terms.
(a) Duration (b) Dummy Activity
- 5) Write the uses of network analysis?
- 6) Define Contract and Contractor.
- 7) What is measurement book?
- 8) Define the following terms
(a) Indent (b) Invoice
- 9) State the Role of Entrepreneurship in economic development.
- 10) State the need of professional ethics.

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PART-B

5x10=50M

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

11. Explain various duties of Executive engineer.
12. Draw the CPM network diagram to the following data. Identify the critical path. Draw the tabular form showing EST, LST, EFT, LFT

Activity	1-2	2-3	2-4	3-5	4-5	4-6	5-7	6-7
Duration in days	5	6	2	10	8	12	11	8

13. (a) Distinguish between CPM and PERT 4M
(b) Define the following terms (2+2+2)
(i) Total float (ii) Free float (iii) Critical path
14. Explain the various contract systems available in construction works.
15. Explain the terms briefly
(a) EMD (b) Security Deposit (c) Short tender notice
16. Explain various sources of disputes in execution of works.
17. Explain the financial control at head office level and Site level.
18. Evaluate the risks and rewards of an Entrepreneur.
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