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C14-C-505

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BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2017

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 any three functions of management.
2. What is the need for technical sanction?
3. List any three principles of organization.
4. Explain briefly the necessity of construction schedule.
5. Define (a) event and (b) critical path.
6. Define arbitrator and arbitration.
7. Explain the need of EMD and security deposit.
8. Write a short note on verification of stores.
9. State the role of DIC in promoting entrepreneurs.
10. Explain briefly about human resource management.

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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. Draw a flow chart and explain organization of a construction company for an irrigation project.

12. The following project has eight activities and the expected time of each activity is given below :

Activity	:	1-2	1-3	1-4	2-5	3-5	4-6	5-7	6-7
Expected time (in days)	:	1	2	4	5	3	6	5	2

- (a) Draw network diagram;
(b) Identify the critical path.
(c) Draw the table showing EST, LST, EFT and float.
- 13.** State any ten advantages of network analysis.
- 14.** “All contracts are agreements but all agreements are not contracts.” Explain.
- 15.** Explain various steps involved in tender system.
- 16.** List out various types of contracts and briefly explain lump-sum and item rate contract.
- 17.** State the importance of form work (centering) and requirements of good form work.
- 18.** State the characteristics and personal qualities of an entrepreneur.
