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C14-C-505

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**BOARD DIPLOMA EXAMINATION, (C-14)
OCTOBER/NOVEMBER-2018
DCE - FIFTH SEMESTER EXAMINATION**

PROJECT MANAGEMENT FOR CONSTRUCTION

Time : 3 Hours]

[Total Marks: 80

PART-A

3X10=30

Instructions :

1. Answer **All** questions.
2. 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 factors involved in construction management.
2. Define the term administrative approval.
3. Explain in brief about detailed estimate.
4. Define the following terms (a) Activity (b) Dummy activity.
5. Define critical path method.
6. What are the qualifications required for an arbitrator?
7. What are different types of contract systems available for construction work?
8. Define the terms (a) Indent (b) Invoice.
9. State any three roles of commercial banks, regarding an entrepreneur.
10. State the importance of human resource management.

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PART-B

10X5=50

Instructions :

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

11. (a) Mention any four state government departments.
(b) Explain any six duties of a Chief Engineer in a State Government Department.
12. (a) What are the uses of network analysis?
(b) Define the terms (a) Earliest start time (EST) (b) Latest finish time (LFT)
(c) Earliest finish time (EFT)
13. Draw the network diagram, determine the critical path, time of completion for the given project. Draw the tabular form showing EST, LST, EFT, LFT and calculate the floats for the below problem.

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|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Activity | 1-2 | 1-3 | 2-4 | 2-5 | 3-5 | 4-6 | 5-6 | 5-7 | 6-7 | 7-8 |
| Duration in days | 7 | 6 | 4 | 4 | 9 | 7 | 2 | 8 | 7 | 3 |

14. Explain in detail Item Rate Contract or K2 form of agreement stating its advantages and disadvantages.
15. (a) State the terms and conditions of contract.
(b) What are the advantages of Lumpsum contract?
16. (a) Explain what is meant by tender notice and what are the important points that it should cover?
(b) State the advantages of Arbitration.
17. (a) What is meant by depreciation?
(b) Explain the functions of stores management.
18. (a) Define the term entrepreneur.
(b) State the characteristics of an Entrepreneur.

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