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BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2018

DCE—SIXTH SEMESTER EXAMINATION

CONSTRUCTION AND QUALITY MANAGEMENT

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 objectives of construction management.
2. List any six aspects to be considered during preliminary planning of a minor irrigation project.
3. State different construction stages of a new building project.
4. Write short notes on the following :
 - (a) EMD
 - (b) Security deposit
5. List the common irregularities in a muster roll.

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6. Define the following :
 (a) Indent
 (b) Invoice
7. What are the requirements of a licenced surveyor?
8. List various assisting institutions setup for development of small business.
9. State the elements of quality system.
10. Write a short note on quality of filler materials.

PART—B

10×5=50

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

11. Explain the organizational structure of PR department with a flow chart.
12. Draw the CPM network diagram for the following data :

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

Identify the critical path. Find the total duration of the project. Draw the tabular form showing EST, LST, EFT, LFT and float.

13. (a) Explain the need for inspection of works.
 (b) Write a short note on duties of inspecting officer.
14. What is M-Book? Explain the rules to be followed in recording the measurements of works in M-Book.

- 15.** State the ^{*}classification of stores. Explain briefly.
- 16.** Explain the assistance programme for small business enterprise.
- 17.** Explain the evolution of ISO 9000 series of standards with its merits and drawbacks.
- 18.** (a) Explain briefly the inspection of reinforcement grills.
(b) Describe the control aspects of batching and mixing.

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