



c09-c-603

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**BOARD DIPLOMA EXAMINATION, (C-09)
MARCH/APRIL—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 any three advantages of management techniques.
2. What is feasibility report?
3. What are (a) construction schedule and (b) material schedule?
- * 4. State any three advantages of item rate contract.
5. List any three needs of supervision of civil works.
6. Explain 'contractor's acceptance of measurements'.
7. Define (a) entrepreneur and (b) entrepreneurship.
8. Write about national bank of agriculture and rural development (NABARD).
9. State any three advantages of ISO certification.
10. State the quality of filler material.

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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.** (a) List any five factors to be considered during preliminary planning for a road project. 5
(b) Draw the organizational setup of a Public Works Department. 5
- 12.** Define of the following :
(a) Activity
(b) Earliest Start Time (EST)
(c) Earliest Finish Time (EFT)
(d) Free float
(e) Critical path
- 13.** Prepare a tender notice to be published in leading daily newspapers for the construction of polytechnic building at the cost of ₹ 5 crores by the Executive Engineer, R and B division in your town.
- 14.** Explain about (a) standard measurement book and (b) pre-measurements. 5+5
- 15.** Explain any five modes of payments to the contractors for the work done or supplies made.
- 16.** (a) State any five tasks to be performed by a landscape Gardner.
(b) State any five significances of small-scale units.
- 17.** (a) What is Total Quality Management (TQM)?
(b) What are the benefits of Total Quality Management (TQM)?
- 18.** Discuss about the inspection and examination of formwork.
