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Roll No

CE-704 (GS)**B.E. VII Semester**

Examination, December 2017

Grading System (GS)**Quantity Surveying and Costing***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is estimate for administrative approval? Describe the original and revised estimate and supplementary estimates. 8
- b) Write and discuss with real example about the purpose and importance of estimate for any civil projects. 6
2. a) List the main items, which are essential parts of an estimate of residential building. 7
- b) Write in brief on: **rgpvonline.com** 7
 - i) Earth work estimation for road work
 - ii) Deduction of volume in masonry work estimation
 - iii) Estimation of ingredients of concrete
3. a) What is analysis of rate? List the important points which affect the rate of particular item. What is over head cost in rate analysis? 8
- b) Write the various steps for preparation of schedule of rate. 6

4. a) Analyse the rate of plaster per 100 sqm. area if the rate of cement is 325 per bag, sand is 1900 per cum, mason rate is 500/- per day and labour rate is Rs 350/- per day 7
 - b) Write short note on: 7
 - i) Labour component for rate analysis.
 - ii) Role of excise and taxation in rate analysis
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5. Estimate the quantity of different type/grade of concrete required for a general residential building having an plot area 150 m². Draw suitable line plan before estimation. 14
 6. a) What is meant by DPR? How it is prepared of road work? Explain each component of it in short. 8
 - b) Lead and lift affects the cost of construction, particularly in road work discuss it. 6
 7. a) Discuss the important point of valuation of a building by depreciation. 7
 - b) Write in brief on (any three): 7
 - i) Sinking fund **rgpvonline.com**
 - ii) Rent fixation of building
 - iii) Book value
 - iv) Depreciation and obsolescence
 8. Write short notes on (any four): 14
 - a) Over head charges
 - b) Earnest money
 - c) Gross and Net income
 - d) Measurement book
 - e) Plinth area estimate
 - f) Contingencies in estimate