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43 (ARC-6) 6.4

2018

ESTIMATING AND COSTING

Paper : ARC-6.4

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Write short notes on : ***(any five)*** 5×4=20
- (a) Schedule of Rates
 - (b) Detailed Estimate
 - (c) Measurement Book
 - (d) N.I.T.
 - (e) Market Rate
 - (f) Revised Estimate
 - (g) Centre Line Method.

Contd.

2. Write detailed specification of the following :
(any two) 5×2=10

(a) First Class Brickwork

(b) PCC Work

(c) Plastering and Painting.

3. Discuss **any three** methods of Costing of Buildings :
10×3=30

(a) Approximate Quantities Method

(b) Typical-bay method

(c) Cubic-metre method

(d) Square-metre method

(e) Service-unit method.

4. What is "Rate analysis"? Discuss different factors of Rate analysis. 10

5. Explain the important factors in Detailed Estimate. 10

6. Prepare an Estimate for 15cm RCC slab proportion with Steel reinforcement. 20

OR

7. Prepare an Estimate for First class brickwork in C.M (1:6) upto plinth. Consider Room size (3.6m × 4.5m). 20