

Total number of printed pages-3

43 (6) ARC 6.4

2017

**ESTIMATING & COSTING**

Paper : ENG 6.4

Full Marks : 100

Time : Three hours

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

A. Answer **any three** of the following :

10×3=30

- (1) What is Specification ? What are the different types of specification ? 10
- (2) What are the different types of Estimate ? Explain briefly *any two* types of Estimate. 10
- (3) What is the definition of 'Rate analysis' ? Explain the different factors of rate analysis. 10
- (4) Explain the important factors in detailed Estimate. 10

Contd.

B. Discuss **any two** methods of Costing of Buildings. 10×2

(1) Square Metre Method

(2) Cubic Metre Method

(3) Service Unit Method.

C. Write short notes on : **(any four)** 5×4

(a) Schedule of Rate

(b) Security Money

(c) Completion Certificate

(d) Earnest Money

(e) Measurement Book.

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

(i) RCC structures (Beams/Columns/Slabs)

(ii) Plastering and Painting

(iii) Ist class Brick Work.

E. Answer **any one** of the following : 20

- (1) Prepare an Estimate for 1st class brick work in C.M. (1:6) upto plinth. Consider the Rom size  $4.5m \times 4.2m$ .
  - (2) Prepare an estimate of R.C.C. slab of size  $3.6m \times 4.5m$  and thickness  $150mm$ .
-