

C 21410

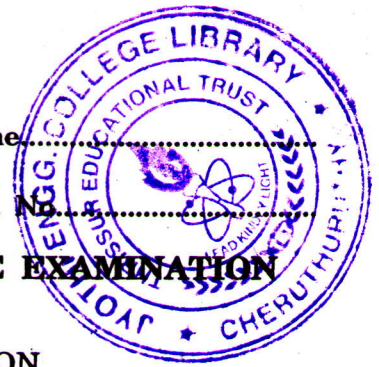
(Pages : 2)

Name

Reg. No.

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
APRIL 2017**

**CE 09 802—QUANTITY SURVEY AND VALUATION
(2009 Admissions)**



Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. What is plinth area ?
2. What is index plan and layout plan.
3. What is sinking fund ?
4. What is lead and lift ?
5. Give the formula for calculating labour for a single story building on plinth area basis.

(5 × 2 = 10 marks)

Part B

Answer any four out of six.

6. (a) What is conveyance statement. Prepare conveyance statement ?
- (b) Define soling, weathering and formation width for a read ?
- (c) Explain long wall, short fall method of estimating ?
- (d) Describe (i) Analysis rate ; (ii) Preparation of preliminary estimate.
- (e) What is rent ? Give the salient features in rental calculation.
- (f) What is valuation ? Give the importance of sinking fund method.

(4 × 5 = 20 marks)

Part C

Answer according to choice.

7. (a) What are the different types of estimates available ? Explain them. How these following measured.
 - (i) Earth work excavation.
 - (ii) Bricks work in super statement.
 - (iii) Plastering.

Or

Turn over

- (b) Explain detailed estimate. What are the components of detailed estimate. Why detailed estimate is required ?
8. (a) Explain rate analysis. Explain various steps taken into considerations for preparary detailed analysis rates.

Or

- (b) Write down detailed specification of the following (i) Plastering in cement mortar.
9. (a) Give various methods of calculating earth out of roads in plain as well as in hill roads.

Or

- (b) Calculate cost of transport of 10km by truck. The truck can carry 3 cub.m per trip. The km rate carriage is given below :

1st km = Rs. 4.5 per cub m

2nd km = Rs. .5 per cub m

3-8 km = Rs. 0.25 per cub m

9-20 km = Rs. 0.15 er cub m. unloading charges are Rs. 10 per truck.

10. (a) An owner of a bungalow carried out certain addition, altering and carried out to make the bungalow attractive, which method of valuation you will adopt to value it out of various valuation method.

Or

- (b) A residence is constructed by the Govt at a cost of Rs. 30,00,000 for an officer. Pay of the officer is Rs. 1,80,000. Prepare a rental statement to attach with the estimate.

(4 × 10 = 40 marks)