

Roll No _____

**Re-appear, EXAMINATION
Dec, 2024**

Course Code: APCE317A/ APID329A

Course Name: ESTIMATING, COSTING & SPECIFICATIONS

Programme Name: B. Arch/ BID/ BSc. ID



Time: 2.5 Hours

Maximum Marks: 50

Instructions: All questions are compulsory. The question paper consists of 11 questions divided into three part A, B and C. Section-A comprises 5 questions of 2 marks each, Section-B comprise 4 questions of 5 marks each and Section-C comprises 2 questions of 10 marks each. Q. No. 7, Q. No. 10 and Q. No. 11 have internal choices.

Section-A (5 X 2 = 10 Marks)

1	What are the units of measurement of Excavation and painting?	CO1
2	What are the methods of estimate?	CO2
3	What is specification?	CO3
4	Define 'contract.'	CO4
5	Write full form of BOQ and CPWD.	CO5

Section B (4 X 5 = 20 Marks)

6	Write brief specification for a first-class building.	CO1
7	What are the essential qualities of a good estimator? OR What is the importance of muster roll in maintaining labour records?	CO3
8	Discuss Contingencies and overhead charges.	CO4
9	Define rate of analysis. Why is it needed?	CO5

Section C (2 X 10 = 20 Marks)

10	What is the Estimate the quantities of the following items of work of the building whose plan and section are given below: - Concrete in foundation - First Class brickwork in lime mortar in foundation and plinth - First class brickwork in 1:6 cement mortar in superstructure Calculate using Long Wall and Short Wall method. Door: 900 x 2100 Window 1: 1500 x 1000 Window 2: 1200 x 1000 OR What are the methods of detailed estimate, discuss advantages/ disadvantages? Explain the steps of detailed estimate through the center line method.	CO4
11	What are the Pre-Requisites to Carry Out Rate Analysis. Explain the procedure to carry rate analysis. OR What are the different types of specifications? Explain the three important parts of Specification. What are the various sources of information for writing a specification	CO5