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**School of University Polytechnic**

Diploma in Civil Engineering  
Semester End Examination - Jun 2024

Duration : 180 Minutes  
Max Marks : 100

**Sem IV - N1DB401T - Estimation and Costing**General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Tell us: the various unit for measurement while estimation. K1 (2)
- 2) Explain Market value of a structure. K2 (4)
- 3) Describe the various item which is need for preparing estimate. K2 (6)
- 4) Illustrate the procedure of estimation of a single room. K3 (9)
- 5) Illustrate the term: Depreciation value K3 (9)
- 6) Evaluate the organizational structure of PWD. K5 (10)
- 7) Outline the role of chief engineer, Junior engineer K4 (12)
- 8) Estimate the number of brick used for constructing a wall of brickwork 7 cubic meter. K5 (15)
- 9) Estimate the quantity of dry material and cost of material for brickwork in superstructure with cement mortar 1:2 for 5 cum. The following data are to be used 1. Sand- Rs 430 per cum 2. Cement- Rs 410 per bag 3. Brick -RS4 per brick K5 (15)
- 10) Research the various types of estimation. K6 (18)