BABU BANARASI DAS

INSTITUTE OF TECHNOLOGY & MANAGEMENT, LUCKNOW (AKTU Code: 054)

B.TECH, BRANCH-CE, YEAR 2025-6

(SEM-5TH), First Sessional Examination Odd Sem 2025-26

Subject Name –Quantity Estimation and Construction Management(BCE-503)

Faculty Name: Dr. D.S. Ray

Duration: 01:30 Hrs .Marks: 20

Note: (i)No student will be allowed to leave the examination Room before end of exam.
(ii)Mention Question number/section correctly.
(iii) Be precise in your answer.

Course Outcomes:

Following are the course outcomes of the subject:

CO Code	Course Outcome (CO)	Bloom's Level
BCE503.1	Understand the importance of units of measurement and preliminary estimate for administrative approval of projects.	L-2
BCE503.2	Understand the contracts and tender documents in construction projects.	L-2
BCE503.3	Analyze and assess the quantity of materials required for civil engineering works as per specifications.	L3
BCE503.4	Evaluate and estimate the cost of expenditure and prepare a detailed rate analysis report.	L3
BCE503.5	Analyze and choose cost effective approach for civil engineering projects.	L3

Section: A

1. Attempt all questions: (4 x 1 = 4)

Q.No.	Questions (Attempt all questions)	Marks	CO	BL
a)	List out measurement unit of the following materials/items: (i) Brick Work (ii)Fuel wood (iii)Door Panels (iv) Barbed Fencing	1	BCE503.1	L1
b)	What is general specification and details specification	1	BCE503.2	L2
c)	Explain centre line method of estimation with example.	1	BCE503.1	L2
d)	What is land acquisition Act? Explain in detail .	1	BCE503.2	L2

Section-B

(4X4=16)

Q. No.		Questions (Attempt Any one part from each question)	Marks	CO	BL
2.	A	Explain the importance of Estimation and costing in civil Engineering ?	4	BCE503.1	L2
		OR			
	B	Explain long wall and short wall method of estimation of estimation with example.	4		L2
	A	Describe details specification of brick work in 1:6 mortar.	4	BCE503.2	L2
		OR			