

## DEPARTMENT OF CIVIL ENGINEERING

### TEACHING LEARNING EVALUATION PLAN (TLEP)

**Subject: Construction Techniques and Equipments**

**Subject Code: 21CE602**

S. No.	Description of Topic	Lecture Schedule	Pedagogy	Activity (Assignment / Quiz / PPT)	Learning Outcome
<b>UNIT -1 (PRINCIPLES OF CONSTRUCTION)</b>		<b>15</b>			
1	Bonding, Reinforced brick work	2	Chalk & Talk	Test & Assignment	CLO 1
2	Stone masonry	2			
3	Hollow block masonry Composite masonry	2			
4	Cavity walls, Flooring, Formwork	2			
5	Centering and Shuttering sheet piles	2			
6	Slip and moving forms, Roofs and roof covering	2			
7	Joints in Concrete, Plastering and Pointing	1			
8	Shoring and Scaffolding under pinning, Submerge Structures	2			
<b>UNIT -2 (PREFABRICATED STRUCTURES AND BUILDING SERVICES)</b>		<b>10</b>			
09	Prefabricated panels & structures, Production	2	Chalk & Talk	Test & Assignment Test & Assignment	CLO2
10	Transportation and Erection of structures	2			
11	Sound insulations	2			
12	Ventilations, Fire resisting construction	2			

13	Damp-proofing, Termite proofing	2			
<b>UNIT-3 (CONSTRUCTION DAMAGES &amp; REPAIR TECHNIQUES)</b>		<b>08</b>			
14	Causes of damage and deterioration in masonry	2			
15	Causes of damage and deterioration in concrete structures	2	Chalk & Talk	Test & Assignment Test &	CLO3
16	Symptoms & Diagnosis	1			
17	Types of repair	2			
18	Rehabilitation techniques	1			
<b>UNIT-4 (CONSTRUCTION EQUIPMENT &amp; MACHINERY)</b>		<b>12</b>			
19	Factors affecting the selection of equipment	2	Chalk & Talk	Assignment Test & Assignment	CLO4
20	Economic life of equipment	2			
21	Cost of equipment, maintenance of equipment	2			
22	Earthwork equipment, Hoisting and lifting equipment	2			
23	Material handling equipment	2			
24	Concrete equipment, dewatering equipment	2			