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BANGLADESH SWEDEN POLYTECHNIC INSTITUTE, KAPTAI  
SEMESTER PLAN FOR PRACTICAL CONTENT

TECHNOLOGY: CONSTRUCTION

Subject Name: DESIGN OF STRUCTURE - I (Subject Code: 6463)

Teacher's Name: Engr. Md. Jahedul Islam (Instructor)

Week No.	Content No.	Brief Description of Content
01-02	1.1-1.6	<b><u>Conduct compression test of concrete for particular proportion with different water-cement ratio.</u></b> Mix concrete with different water-cement ratio. Fill in the mould (cylinder and cube). Keep cylinder and cube in the water for curing. Test the specimen in the compression test machine. Take the readings and tabulate in the form (test report). Calculate the ultimate and allowable compressive strength of concrete.
03-04	2	<b><u>Conduct tensile strength test of mild steel for both plain bar and deformed bar of different diameters.</u></b>
05-06	3 & 4	<b><u>Prepare a model of simply supported RCC rectangular beam as per drawing.</u></b> <b><u>Prepare a model of semi-continuous RCC rectangular beam as per drawing.</u></b>
07-08	5 & 6	<b><u>Prepare a model of continuous RCC rectangular beam as per drawing.</u></b> <b><u>Prepare a model of double reinforced simply supported rectangular beam as per drawing.</u></b>
09-10	7	<b><u>Prepare a model of RCC lintel as per drawing.,</u></b>
11-12	8	<b><u>Prepare a model of RCC lintel with sunshade as per drawing.</u></b>