

# Bangladesh Sewden polytechnic Institute,Kaptai.

## Semester plan

Department : Construction Technology

Md. Rashidul Islam (R.I)

Subject: Civil Engineering Materials (66421)

### Parctical

Si.no	Job no	Week	Description
01	01	1 <sup>st</sup>	Selected different type of stone in the laboratory.
02	02	2 <sup>nd</sup>	Show skill in field test of bricks 1.1 Perform field test of bricks 1.2 Select 1 <sup>st</sup> class , 2 <sup>nd</sup> class, 3 <sup>rd</sup> class bricks and jhama bricks
03	03	3 <sup>rd</sup>	Show skill in conducting laboratory test of bricks <u>Perform:</u> (a) Compression test
04	04	4 <sup>th</sup>	(b) Absorption test (c) Determine average weight of a brick.
05	05	5 <sup>th</sup>	Show skill in conducting laboratory test of cement <u>Conduct laboratory tests of cement:</u> a.) Make cement paste of Normal Consistency (CPNC) b) Determine initial setting time c) Perform final setting time
06	06	6 <sup>th</sup>	d) Perform compressive strength test
07	07	7 <sup>th</sup>	e) Perform tensile strength test
08	08	8 <sup>th</sup>	f) Perform fineness test g) Conduct field tests of cement
09	09	9 <sup>th</sup>	Show skill in conducting test of sand a) Bulking of sand
10	10	10 <sup>th</sup>	b) F M of sand
11	11	11 <sup>th</sup>	c) Specific gravity of sand
12	12	12 <sup>th</sup>	Identify mild steel, cast iron, copper, and aluminum, tin by physical observation.
13	13	13 <sup>th</sup>	Show skill in identifying various type of conducting & non conducting, semi conducting, magnetic and optical fiber materials.