

BANGLADESH SWEDEN POLYTECHNIC INSTITUTE
SEMESTER PLAN
OF
7TH SEMESTER CONSTRUCTION TECHNOLOGY (88)

SUBJECT : ENVIRONMENTAL Engineering –II (6472)

CLASS TEACHER : MD. ABDUL KADER

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T.C	T.F	P.C	P.F	Total
20	80	25	25	150

PRACTICAL

Week	Serial No.	Name of The Practical
01	1	Sketch different types of plumbing fixtures. <ul style="list-style-type: none"> ○ Draw sketches of water closet suite which includes a commode, flushing cistern and connecting pipe etc. showing necessary dimensions. ○ Draw the sketches of bath tub, shower bath, urinals, lavatory or wash basin, sink, laundry tray, drinking fountain etc. showing dimensions including their levels. ○ Draw the sectional view of an automatic flushing tank with a flush valve and indicate individual name of each part.
02	2	Sketch manhole, septic tank and soak pit. <ul style="list-style-type: none"> ○ Draw the plan views and detail sectional views of manhole, septic tank and soak pit indicate the individual parts. ○ Show the dimensions of manhole, septic tank and soak pit.
03	3	Make connection of different sanitary fixtures. <ol style="list-style-type: none"> 1. Select tools and equipment and necessary materials required to connect sanitary fixtures. 2. Arrange support for fixtures, make proper level and install the fixtures giving required connections for use.
04	4	Replace unserviceable sanitary fixtures. Apply correct methods for repairing and replacing unserviceable sanitary fixtures.
05	5	Select proper tools and equipment and materials needed for repairing unserviceable fixtures. Detect the defect of fixtures and get the work done.
06	6	Prepare a model of manhole, septic tank and soak pit.
07	7	Sketch Pit latrine, Twin pit latrine, VIP latrine and sketching, layout plan of pipe line. <ol style="list-style-type: none"> 6.1 Draw plan, section and sectional elevation of pit latrine, twin pit latrine, VIP latrine.
08	8	6.2 Draw neat sketch of layout plan of pipe line.
09	9	Prepare a model of slab with water seal pan with ring.
10	10	Prepare a model of slab with water seal pan with ring.
11	11	Perform a case study in solid waste management (generation to disposal) of your campus.
12	12	Perform a case study in solid waste management (generation to disposal) of your campus.

Note: Performed Experiment report must be submit next class.

REFERENCE BOOKS