TE (civil) Sem VI EE 5/12/14

(7)

QP Code: 15138

			(3 Hours)	[Total Marks: 100
N.B:	(2)	Question no.1 is computed Attempt any four question Assume suitable data, w	ions out of remaining six qu	estions.
1.	Ansv	ver any four		20
		(b) Explain different ty(c) What is ecology? Explain different m	factors affecting rate of denters of pollution and its effection and its effection and its effective plain ecological pyramid. The ethods of water softening? The surface water quality.	nand. ets on human health.
2.	(a) (b)	How are various impurit Draw a flow diagram sh function of each unit.	ties of water classified? Giv lowing components of water	e examples of each. t treatment plant. Explain the
3.	(a) (b)	impurities. Design a circular sedimentar work which has to	entation tank fitted with me	thanical sludge remover for a tres of water to the town. The th of water in the tank may be
4.	(a) (b) (c)	Design a rapid sand filte	ery with a neat sketch. When er to treat 2.5 ML/d watersup ours a day. (ii) rate of filtrati er and Rapid sand filter.	oply for a town: given
5.	(a) (b)	the chemical reaction in	volved.	on coagulants used? Describe ferent methods of disinfection 1
6.	(a) (b) (c)	Define the term optimu	ors which influence the select m coagulant dose. Explain J posal and treatment methods	ar Test. s of solid waste.
7.	Wr	te short notes on any fou (a) Food chain and foo (b) Distribution Syste	od web	2

(c) Hazardous Waste

(e) Flash Mixer.

(d) 3 'R' of solid management