No. of Printed Pages: 03	Roll No
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AA-604

M. Tech. EXAMINATION, Dec. 2017

(First Semester)

(B. Scheme) (Main & Re-appear)

ESEM-107-B

ANALYTICAL CHEMISTRY OF ENVIRONMENT

Time: 3 Hours] [Maximum Marks: 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(2-36/1) M-AA-604

P.T.O.

Unit I

1.	Define the following:		5.	. Discuss formation of soil horizons and the	ir
	(i) pH			characteristics.	15
2.	 (ii) Ionisation (iii) Solubility (iv) Normality (v) First Order reaction (vi) Molecular weight and equivalent (vii) Alkalinity. (a) Define bond. Explain various to 	15	6.		cs 1 5
	bond. (b) Explain common ion effect (c) What are buffer solution. Unit II	10 3 2	7.	Unit IV	5
3.	Comment on acid rain and its ec effects.	ological 15		chromatography. Explain the functions of	
4.	What are CFCs and how they atta ozone? Enumerate the harmful eff CFCs. What efforts have been taken disposal of CFCs?	fects of	8.	Explain the principle and working of HPL with figure.	.C 1 5
М-	AA-604 2		(2-3	36/2) M-AA-604 3	40

Unit III