Total No. of Printed Pages:2

SUBJECT CODE NO:- H-416 FACULTY OF SCIENCE AND TECHNOLOGY F. E. (All)

Engineering Chemistry & Environmental Sci. (OLD)

[Time: Two Hours]			Max.Marks: 40]
N.B	1. 2. 3. 4.	Please check whether you have got the right question paper. Q.no.1 is compulsory. Solve any two questions from the remaining questions. Figures to the right indicate full marks. Use of non-programmable calculator is allowed.	
Q.1	a) b)	Give composition of petroleum. What are advantages of vulcanized rubber? What are the raw materials used to prepare styrene rubber?	10
Q.2		Explain in detail zeolite process of water softening? Write its limitations & advantage Explain EDTA method for determination of hardness? Give application of PH-meter.	06 ntages. 06 05 04
Q.3	b)	Define: 1) Viscosity 2) Viscosity index 3) Octane number	06 05 04
Q.4	b)	4) Calorific valueGive the preparation, properties & uses of PMMA.Write the difference between natural rubber & vulcanization of rubber.Define elastomers? Explain the structure of elastomer.	06 05 04
7,6	TONNE	1 AV 07 AV 0 INC	

Examination NOV/DEC 2018

		H-416
Q.5	a) Explain in detail Ion-exchange water purification method.	05
	b) Define Alkalinity? Give its disadvantages.	04
	c) Write the difference between addition & condensation polymerization.	03
	d) Write significance of ultimate analysis of coal.	03