No. of Printed Pages: 03 Roll No.

753

B. Tech. EXAMINATION, Dec. 2017

(Seventh Semester)

(Old Scheme) (Re-appear Only)

(CHE)

CHE-405

ENERGY TECHNOLOGY

Time: 3 Hours [Maximum Marks: 100

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 any *Five* questions. Make suitable assumption wherever necessary. Assume any missing data.

(3-15/9) M-753

P.T.O.

M-7	753	2		(3-15	5/10) M .	-753 3 40
	(-)	gas analysis.	10			
	(b)	Discuss Orsat apparatus used for the	flue			
			10			
5.	(a)	Discuss the properties and uses of L	PG.			
			10			
		the formation of crude oil under the ea	arth.			
	(b)	Discuss different theories associated v	with			10
		carried out ?	10		(0)	energy. 10
4.	(a)	What is catalytic cracking and how			(b)	Discuss the applications of Geothermal
	and	catalytic reforming.	20			the Gobar gas plant and its main products.
3.		the help of neat diagram describe ther		8.	(a)	With the help of neat diagram describe
2	With	the help of next diagram describe then	o 1	0	(a)	-
	,	constituents of coal.	10			inflammability limits. 10
	(b)	Discuss the significance of the vari	ious		(b)	Discuss the factors affecting the
		the by-product recovered.	10			burners. 10
		for the manufacture of coke and na	ame	7.	(a)	Discuss the working of blast atomizing
2.	(a)	Discuss the by-product coke oven product	cess			gaseous fuels. 10
		How can it be avoided?	10			determining the calorific values of
	(b)	Discuss spontaneous combustion of c			(b)	Discuss the apparatus used for
		any one wet coal washing process.	10			the production of Water Gas. 10
I.	(a)	with the help of neat diagram desci	ribe	6.	(a)	with the help of neat diagram describe