Total No. of Printed Pages:02

SUBJECT CODE NO:- H-541 FACULTY OF SCIENCE AND TECHNOLOGY T.E.(CIVIL)

Engineering Geology (REVISED)

[Time:	Three H	ours] [Max.M	larks:8
N.B		Please check whether you have got the right question paper. 1) Q. No. 1 is compulsory and solve any two from remaining question Section A. 2) Q. No. 6 is compulsory and solve any two from remaining question Section B. 3) Neat and labelled diagrams must be drawn wherever necessary.	3,4 43,5
Q.1	Write	Section A short notes on (Any five)	10
	2) 3)	Aphanitic texture Meta Somatism Cleavage Schistose Structure Organic Deposition Strike and Dip	
Q.2		Define mineral and Describe physical properties of minerals. Explain kinds of metamorphism.	08 07
Q.3		What is Fault? Explain Normal and Reverse Fault. Describe physiographic divisions of India.	08 07
Q.4		What is volcano? Explain types of volcano. Describe classification of sedimentary rock.	08 07
Q.5	. A/) (? /_\Y =	Explain the kinds of metamorphism. Define Unconformity and explain its types.	08 07
20 4 VO		Section B	
Q.6	Write	short notes on (Any five)	10
	2) 3) 4) 5)	Silting of Reservoirs Artesian Well Connate Water Cone of depression Dykes of Deccan trap Over break	

H-541 1

Examination NOV/DEC 2018

		VOL 200
Q.7	a) Explain the importance of structural geology in Civil Engineering.	08
	b) Explain the Deccan trap system with reference to classification and distribution.	07
Q.8	a) What is Exploratory drilling? What are the advantages of drilling?	08
	b) Explain various types of Basalts and discuss field characteristics of each type.	07
Q.9	a) What is Rain Water Harvesting? Explain in detail its significance.	08
	b) What difficulties will have to face if:	07
	i) A tunnel is driven through compact Basalt	3277
	ii) Dams on downstream dipping strata.	2 4 3 3
Q.10	a) What is landslide? Describe measures to be taken for prevention of Landslides.	08
	b) Describe in detail zonal distribution of subsurface water.	07

H-541 2