

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2020 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

GEOLOGY

		<u> </u>	<u>DEOG1</u>		
TIME ALL PART-I(M		THREE HOURS MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = MAXIMUM MARKS =	
NOTE: (i) (ii)	Attempt	I is to be attempted on the sepa ONLY FOUR questions from ON. ALL questions carry EQ	n PART-II by select	ing TWO questions from E	EACH
(iii)		parts (if any) of each Question	must be attempted a	t one place instead of at dif	fferent
(iv)	places. Write (Q. No. in the Answer Book in a	accordance with Q. N	To. in the Q.Paper.	
(\mathbf{v})	No Page/Space be left blank between the answers. All the blank pages of Answer Book				
(vi)		e crossed. attempt of any question or any	nart of the question v	vill not he considered	
(*1)	DATE O	attempt of any question of any	part of the question v	viii not be considered.	
			RT - II		
		SECT	<u> ION – I</u>		
Q. No. 2.		ntiate between weathering, eagents and types of weathering		rtation. Elaborate the	(20)
Q. No. 3.	What are lithostratigraphic and chronostratigraphic unit? Discuss the various laws of stratigraphy.				(20)
Q. No. 4.	Explain isomorphism and polymorphism through examples. Give a detailed account of classification of silicate minerals.				(20)
Q. No. 5.		ntiate between lineation and for nechanical properties of mater		ious structural controls	(20)
		SEC	CTION-II		
Q. No. 6.		ntiate between eustatic and ship between eustacy, accomm			(20)
Q. No. 7.		ntiate between hydrocarbon s trapping mechanisms of hydro		rocks. Elaborate the	(20)
Q. No. 8.	Write sl	nort notes on any TWO of the	following:	(10 each)	(20)

- (a) Coal rank and coal series.
- **(b)** Geological controls on the selection of mega dam sites.
- (c) Occurrences of Radioactive deposits in Pakistan.
