

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

Roll Number

GEOLOGY

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TIME ALL PART-I(M		, ,	S) MAXIMUM MARKS = 2 MAXIMUM MARKS =	
, ,	Part-II is to be attempted on the set Attempt ONLY FOUR questions from SECTION. ALL questions carry End All the parts (if any) of each Question places. Write Q. No. in the Answer Book in No Page/Space be left blank between must be crossed. Extra attempt of any question or an extr	om PART-II by sele QUAL marks. on must be attempted accordance with Queen the answers. All	cting TWO questions from E at one place instead of at diff No. in the Q.Paper. I the blank pages of Answer	ferent
		<u>RT – II</u> TION – I		
Q. No. 2.	Differentiate between weathering, erosion and transportation. Elaborate the various agents and types of weathering.			(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.	Differentiate between lineation and foliation. Discuss various structural controls on the mechanical properties of materials.			(20)
	SI	ECTION-II		
Q. No. 6.	Differentiate between eustatic and relative sea level curve. Discuss the relationship between eustacy, accommodation space and sedimentation.			(20)
Q. No. 7.	Differentiate between hydrocarbon source and reservoir rocks. Elaborate the various trapping mechanisms of hydrocarbons.			(20)
Q. No. 8.	Write short notes on any TWO of th (a) Coal rank and coal se (b) Geological controls of	ries. n the selection of me		(20)

Occurrences of Radioactive deposits in Pakistan.

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