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FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2015

Roll Number

GEOLOGY, PAPER-I

TIME ALI PART-I(M	LOWED: THREE HOURS (CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS		
(iii (iv	 (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. 				
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	<u>I</u>	<u>PART-II</u>			
Q. No. 2.	Discuss compositional variations between major cations in the feldspars, pyroxenes are		substitutions of the	(20)	
Q. No. 3.	Discuss the Primary clastic structures in	sedimentary rocks.		(20)	
Q. No. 4.	Explain the relationship between magm material and discuss the classification of	•	ion of pyroclastic	(20)	
Q. No. 5.	What processes cause the origination of development of floodplains? Also c Erosional Terraces.			(20)	
Q. No. 6.	Describe the nature of contacts in the grain size trends associated with transgr		scuss the types of	(20)	
Q. No. 7.	Discuss the Barrovian type metamorphi in Kaghan valley.	sm with the example from In	ıdian plate margin	(20)	
Q. No. 8.	Write notes on any TWO of the following (a) Fauna of Permean Sequence of St. (b) Ditrigonal Scalenohedral Class (c) Sites of magnetic sequence of the sequen	Salt Range	(10 each)	(20)	

Sites of magma generation on the basis of tectonic setting



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GEOLOGY, PAPER-II

TIME ALI PART-I(M	LOWED: THREE HOURS ICQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS				
NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. (vi) Extra attempt of any question or any part of the attempted question will not be considered.							
PART-II							
Q. No. 2.	Compare the geological conditions resnatural gas.	sponsible for the formation	of coal, oil, and	(20)			
Q. No. 3.	Discuss the Geological factors in hydro	power projects.		(20)			
Q. No. 4.	Discuss the Uranium mineralization Pakistan.	in Siwalik fluvial deposi	tional system of	(20)			
Q. No. 5.	Give a detailed account of the types methods to prevent landslides.	of landslides, the causative	e factors and the	(20)			
Q. No. 6.	Discuss the various laboratory and field properties of rocks.	tests carried out to determine	ne the engineering	(20)			
Q. No. 7.	Discuss the lithostratigraphic units of cement industry.	Salt range regarding the	raw materials for	(20)			
Q. No. 8.	Write notes on any TWO of the followi (a) Path finders in geochemical expl (b) Evaporite mineral deposits (c) C14 dating		(10 each)	(20)			

C14 dating

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