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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 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.				
(VI)	Extra attempt of any question of any p	art of the attempted question	will not be considered.	
PART-II				
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		tion of pyroclastic	(20)
Q. No. 5.	What processes cause the origination of flood plains and how do they contribute to the development of floodplains? Also compare and contrast the Depositional and Erosional Terraces.		(20)	
Q. No. 6.	Describe the nature of contacts in the stratigraphic record. Also discuss the types of grain size trends associated with transgression and regression.		(20)	
Q. No. 7.	Discuss the Barrovian type metamorphism with the example from Indian plate margin in Kaghan valley.			(20)
Q. No. 8.	Write notes on any <b>TWO</b> of the following (a) Fauna of Permean Sequence of St. (b) Ditrigonal Scalenohedral Class of the following the following scale of the fo	Salt Range	(10 each)	(20)

Sites of magma generation on the basis of tectonic setting

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