

## FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2017 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

## **GEOLOGY**

<u>GEOLOGY</u>				
TIME ALI	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 by selecting TWO questions from EACH SECTION. 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 SECTION-I  Q. No. 2. Describe structure of neso silicates. Also draw its sketch. Narrate physical and optical (20)				
Q. 110. 2.	properties of olivine group of minerals.			
Q. No. 3.	Describe development of different types of metamorphic facies during subduction process. With the help of temperature-pressure diagram, elaborate regimes of metamorphic facies. (20)			(20)
Q. No. 4.	What categories of information we de Give examples. Describe some of con	pict from the fossils found in sedimentary strata? (20) mon processes of fossilization.		(20)
Q. No. 5.	Outline important events of Indian Pl onwards in Pakistan region. Draw ske	-	ectonics from Mesozoic	(20)
SECTION-II				
Q. No. 6.	Enlist methods of surface and near Describe implementation details of a of hydrocarbon in a region.		_	(20)
Q. No. 7.	Discuss the geological conditions pakistan. Describe some of the measure	,	nd sliding in northern	(20)
Q. No. 8.	Write notes on any <b>TWO</b> of the follow	wing:	(10 each)	(20)

- a. Polarizing microscope
- **b.** Paleobotany
- c. Geothermal energy

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