

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

Roll Number

(10 each)

(20)

GEOLOGY

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TIME ALI PART-I(M		THREE HOUL MAXIMUM 30		PART-I (MCQS) PART-II	MAXIMUM MARK MAXIMUM MARK	
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.						
<u>PART-II</u> <u>SECTION-I</u>						
Q. No. 2.		e structure of nes es of olivine grou			rate physical and optical	(20)
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)
Q. No. 4.	What categories of information we depict from the fossils found in sedimentary strata? Give examples. Describe some of common processes of fossilization.					(20)
Q. No. 5.	Outline important events of Indian Plate drift and subsequent tectonics fro onwards in Pakistan region. Draw sketches.			tectonics from Mesozoic	(20)	
SECTION-II						
Q. No. 6.	Describe		details of any		ethods of oil and gas. g to successful discovery	(20)
Q. No. 7.	Discuss the geological conditions that normally trigger land sliding in northern Pakistan. Describe some of the measures to mitigate its effects.					(20)
					(40 -	(= 0)

- a. Polarizing microscope
- **b.** Paleobotany

Q. No. 8. Write notes on any **TWO** of the following:

c. Geothermal energy
