

Q. No. 4.

FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2014 GEOLOGY, PAPER-I Roll Number

(20)

TIME AL	LOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20	
THREE HOURS		(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80	
NOTE:(i)	Part-II is to be attempted on the separate Answer Book.				
(ii)	Attempt	Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.			
(iii)	Candidate	Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.			
(iv)	No Page	e/Space be left blank	between the answers. All the blank	pages of Answer Book must	
	be crosse	d.			
(v)	Extra atte	empt of any question of	or any part of the attempted question v	vill not be considered.	
<u>PART-II</u>					
Q. No. 2.		¥ •	differentiated from clinopyroxenes bers of ortho-and clinopyroxenes.		
	properties	s of orthopyroxenes.			
Q. No. 3.	With the	help of a diagram gi	ve the classification of sandstones pr	oposed by Dott or (20)	
-	Folk. Des	cribe the composition	of each class.		

characteristics of deltaic sediments.

Q. No. 5. What are volcanoes, how they are formed? Discuss their relationship with orogeny and (20)

What are Deltas, how they are formed? Describe deltaic landforms and give the

plate tectonics. Also describe the types of eruptions related with various types of volcanoes.

Q. No. 6. What do you understand with palaeocurrent analysis? What are the tools used for this analysis? How palaeocurrent direction is determined using a Rose diagram or a Vector Diagram?

Q. No. 7. Differentiate between Chronostratigraphic and Lithostratigraphic units. Which of these units are essentially synchronous and why? Write the stratigraphic succession of Bara Nala Section of Sindh.

Q. No. 8. Write short NOTES on the following: (5 each) (20)

(a) Interference figure

(b) Metamophic facies

(c) Types of fold

(d) Suture in Cephalopods
