FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BPS-17, UNDER THE FEDERAL GOVERNMENT, 2005

GEOLOGY, PAPER-I

TIME ALLOWED: THREE HOURS MAXIMUM MARKS: 100

NOTE: Attempt **FIVE** questions in all, including **QUESTION NO.8,** which is **COMPULSORY.** All questions carry **EQUAL** marks. Illustrate your answer with sketches where needed.

1. Define mineral, crystal and rock. Describe the Feldspar group of minerals.

2. How do you classify Folds? Discuss the types of Folds in the mountains of Baloshitan.

3. Discuss the process of weathering and erosion. What is the importance of these processes?

4. Describe the morphology of Brachiopods. What is their significance in the stratigraphy of Pakistan?

5. What is the difference between magnitude and intensity of an earthquake? What are earthquake resistant structures?

6. What is Stratigraphic Code of Pakistan? Describe the Paleozoic rocks of the Salt Range.

7. How do the sediments convert to sedimentary rocks? Describe a few clastic sedimentary rock.

COMPULSORY QUESTION

8. Write very short note on the following:-

(1)	Sedimentary facies	(2)	Lithosphere
(3)	Roppy lava	(4)	Flute cast
(5)	Continental shelf	(6)	Fossil fuel
(7)	Gray wack	(8)	Extension joints
(9)	Submarine Fan	(10)	Garnet
(11)	Graded river	(12)	Chevron folds
(13)	Hornfels	(14)	Axis of symmetry
(15)	Marker bed	(16)	Peridotite
(17)	Interference colors	(18)	Discocyclina
(19)	Cyclosilicate	(20)	Pyrite

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