

FEDERAL PUBLIC SERVICE COMMISSION



COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2012

Roll No.

GEOLOGY, PAPER-I

TIME ALLOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20
THREE HOURS	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80

NOTE: (i) Candidate must write **Q. No.** in the **Answer Book** in accordance with **Q. No.** in the **Q. Paper.**
(ii) Attempt **ONLY FOUR** questions. **ALL** questions carry **EQUAL** marks.
(iii) Extra attempt of any question or any part of the attempted question will not be considered.

PART-II

- Q. 2.** Discuss the internal structure of the earth in the light of seismic velocities. (20)
- Q. 3.** Briefly describe the theory of plate tectonic. Also comment on Indian-Eurasian collision and formation of Himalayas. (20)
- Q. 4.** Discuss the physical properties of minerals dependant on light. (20)
- Q. 5.** Discuss the process of fossilization in detail. (20)
- Q. 6.** Discuss the six general shapes of unit cell. (20)
- Q. 7.** Describe the stratigraphy of Khewra Gorge. (20)
- Q. 8.** Discuss the regional metamorphism with relation to Indian plate margin in Pakistan. (20)
