

**COMPETITIVE EXAMINATION FOR THE POSTS OF PROVINCIAL
MANAGEMENT SERVICES (BPS-17), 2018**

GEOLOGY, PAPER-1

TIME ALLOWED: 03 HOURS

MAX: MARKS: 100

NOTE: Attempt any five questions

- Q-1: Write a detailed note on the internal structure of the earth, list the significant lithospheric plates and describe main types of plate boundaries by examples and illustrations?
- Q-2: Describe the main structural features of northern Pakistan, highlight their significance in the context of Himalayan Geology with main reference to the India-Asia collision?
- Q-3: Describe the types of secondary structures and explain their importance in structural geology as well as in petroleum geology?
- Q-4: Describe morphological features, classification evolution and geological distribution of Foraminifera?
- Q-5: What is biostratigraphy? Explain different types of biostratigraphic zones?
- Q-6: Write a detailed note on sedimentary basins of Pakistan and describe their importance in the context of socio-economic development of Pakistan?
- Q-7: Describe the Permian succession of Salt Range Pakistan in detail and highlight its importance in terms of Petroleum geology as well as in terms of paleogeography?
- Q-8: Write a detailed note on metamorphism? Reflect on principle types, zones and facies of metamorphism, illustrate by examples?