

KHYBER PAKHTUNKHWA, PUBLIC SERVICE COMMISSION

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

2016

GEOGRAPHY PAPER-I

TIME ALLOWED: 03 HOURS

MAX:MARKS: 100

Attempt any five questions. All questions carry equal marks

Q1. "The heat energy entering the atmosphere and its part reaching the earth surface is balanced by an equal amount of heat going out into the outer space." Discuss.

Q2. What are the distinguishing characteristics of an air mass. How does a source region influence the type of an air mass? That form over it. Explain the life cycle of a wave cyclone.

Q3. What are the different layers of the earth? Relate the three types of plate collisions associated with seismicity, volcanism and mountain building.

Q4. Describe the nature of groundwater and define the elements of groundwater environment. Review the process and features associated with Karst topography.

Q5. Explain the chemical composition of seawater and the basic physical structure of the ocean.

Q6. "The coastal system is the scene of complex tidal fluctuation, winds, wave and ocean currents" Discuss.

Q7. Define cartography and mapping basics: map scale and map projections. Describe the different types of map and explain the process of each.

Q8. Write comprehensive notes on any two of the following:
a. Planetary wind system b. The Koppen's climatic classification
c. Wind deposition d. Mercator's projection