

**KHYBER PAKHTUNKHWA PUBLIC SERVICE COMMISSION
WRITTEN EXAMINATION FOR THE POSTS OF PMS OFFICER / AETO BPS-17
(2025)**

**GENERAL KNOWLEDGE/
EVERYDAY SCIENCE**

Time Allowed: 03 Hours

Total Marks: 100

Note:- Attempt any five questions.

- Q.No.1 a) Explain how science can be understood both as a systematic body of knowledge and as a dynamic process of inquiry. (20)
b) Examine how Muslim scholars preserved, enriched, and transmitted ancient Greek knowledge to Europe and to what extent did this intellectual legacy contribute to the emergence of the European Renaissance?
- Q.No.2 a) What are planets? Explain their main physical characteristics? (20)
b) Explain the phenomena of lunar and solar eclipses and describe the different types of solar eclipses.
- Q.No.3 What is human immune system? Discuss the mechanisms through which it can be strengthened. (20)
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- Q.No.4 a) Discuss how does a computer work? (20)
b) Define Artificial Intelligence (AI) and critically discuss its major applications in daily life.
- Q.No.5 a) What do you know about the Animal Kingdom? Differentiate between vertebrates and invertebrates with suitable examples. (20)
b) Discuss the Respiratory system in human body.
- Q.No.6 a) Name the four major biomolecules and explain their importance in biological systems. (20)
b) What are proteins, and what are their functions in human body?
- Q.No.7 a) What is a Balanced Diet? (20)
b) What is photosynthesis? Describe the process briefly.
- Q.No.8 a) How can Pakistan reduce its energy consumption through policy changes? (20)
b) What is the relationship between human physiology and human behaviour?

**Everyday Science
KP PMS**