KHYBER PAKHTUNKHWA PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION FOR THE POST OF PMS (2022)
(EVERYDAY SCIENCE)

Time Allowed: 03 Hours **Maximum Marks: 100**

Note: Attempt any **FIVE** questions.

Q1. **(a)** Write the contributions of at least five Muslim Scientists in the field of science (10)

(b) Briefly explains the impact of science on society with practical examples from everyday life. (10)

Q2. Explain the following (4+4+4+4+4)

(i) Astronomy
(ii) Solar System
(iii) Solar system units
(iv) Galaxy
(v) Universe

Q3. **(a)** What do you mean by energy? Explain the law of conservation of energy and write the various available sources of energy in Pakistan (10)

(b) What is renewable energy and how many different types of renewable energy are there. Elaborate each type of renewable energy with example (10)

Q.4. **(a)** what do you mean by ceramics? Write various types and uses of ceramics in the modern technological word. (10)

(b) What is computer? Write the different input and output device of a computer. Also explain the difference between hardware and software with suitable examples (10)

Q5. Write short notes on the following (5+5+5+5)

(i) Laser
(ii) Microscope
(iii) Camera
(iv) Television

Q6. **(a)** Explain the structure and types of a Cell in Biology with diagrams (10)

(b) what do mean by chromosomes? Explain the function of chromosomes in human body. (10)

Q7. **(a)** Differentiates between animals and plants in details. (10)

(b) Explain the DNA and RNA. (10)

Q8. **(a)** Describe the function of arteries, veins, and capillaries (10)

(b) Explain the cardiac cycle in detail (10)

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