

## Everyday Science Compulsory ( Total Marks - 100 )

1. Introduction
    - Nature of Science;
    - Brief History of Science with special reference to contribution of Muslims in the evolution and development of science;
    - Impact of science on society.
  2. The Physical Sciences
    - a. Constituents and Structure: "Universe, Galaxy. Solar system, Sun, Earth. Minerals;
    - b. Processes of Nature -Solar and Lunar Eclipses Day and Night and their variation:
    - c. Energy :- sources and resources of Energy Energy conservation
      - i. Ceramics, Plastics. Semiconductors.
      - ii. Radio. Television, Telephones. Camera. Laser. Microscope.
      - iii. Computers, Satellites.
      - iv. Antibiotics, Vaccines, Fertilizers, Pesticides.
- Biological Sciences
- The basis of life - the cell, chromosomes, genes, nucleic acids.
  - The building blocks - Proteins. Harmones and other nutrients Concept of balanced diet. Metabolism.
  - Survey of Plant and Animal Kingdom - a brief survey of plant and animal kingdom to pinpoint similarities and diversities in nature.
  - The Human body - a brief account of human Physiology, Human behaviour.

### Suggested Readings

	<b>Title</b>	<b>Author</b>
1.	Exploring life Sciences	Turber, Kilburn & Howell
2.	Exploring Physical Sciences	Turber, Kilburn & Howell
3.	Guide to Science	Isaac Asimov
4.	Science Restated	Cassidy
5.	Principles of Animal Biology	Khan, M. Rafiq