

# Govt. Cadet College Muzaffarabad

## Entry Test Syllabus General Science (Physics) for Class-8<sup>th</sup>

### Objectives:

Physics is a branch of science which describes the nature. Its domain starts from the minute sized quarks to the universe as a whole. Physics as a subject is core subject of science which is a compulsory subject for both medical and engineering students. For this reason basic knowledge about the concept of physics is necessary to be tested. This test is also helpful for testing creativity of a student as science as a whole seeks creative skills.

### **Syllabus**

- a. Forces and motion**
  - Rest and motion
  - Force
  - Friction
- b. Waves**
  - Transverse waves
  - Longitudinal waves
- c. Transfer of heat:**
  - Conduction
  - Convection
  - Radiation
- d. Properties of light:**
  - Reflection
  - Refraction
  - Dispersion
- e. Electricity:**
  - Current
  - Voltage
  - Resistance
  - Conductors and insulators
- f. Our solar system:**
  - Big bang theory (origin and universe)
  - Stars and galaxies
  - Telescopes for stars