

Std. IX Section : _____

Subject : Science**Marks : 20**

Date : _____

Periodic Test - III

Name : _____ Roll No. _____

Time : 1.00 Hr.**SECTION A**

- Q.1 : Which cell organelle plays a crucial role in detoxifying many poisons and drugs in a cell? 1M
a) Golgi apparatus b) Lysosomes
c) Smooth endoplasmic reticulum d) Vacuoles
- Q.2 : Find out incorrect sentence 1M
a) Parenchymatous tissues have intercellular spaces
b) Collenchymatous tissues are irregularly thickened at corners
c) Apical and intercalary meristems are permanent tissues
d) Meristematic tissues, in its early stage, lacks vacuoles
- Q.3 : Give Reason: 2M
a) Polar bears can survive at very low temperature.
b) Muscles cells Contract and Relax.
- Q.4 : Differentiate between striated, unstriated and cardiac muscles in tabular form with diagrams. 3M

SECTION B

- Q.5 : Law of conservation of mass was put forward by _____. 1M
a) J.L. Proust b) Antoine Lavoisier c) J.J. Thomson d) John Dalton
- Q.6 : Which of the following shows the property of matter that particles are continuously moving? 1M
a) Evaporation of water b) Formation of ice
c) Freezing of water d) Melting of wax
- Q.7 : If 100g of calcium carbonate on heating produces 44g of carbon dioxide and X amount of quick lime, how much quick lime will be formed? Also define the law that the reaction follows. 2M

- Q.8 : State 4 postulates of Dalton's atomic theory. 2M

SECTION C

- Q.9 : A boy starts at location A, walks 1.5 kilometres to point B, and then returns to point A. If it takes one hour for this, his average velocity is _____. 1M
a) 3 km/h b) zero c) 1.5 km/h d) 2 km/h
- Q.10: Which law is also known as the law of inertia? 1M
a) Newton's first law of motion b) Newton's second law of motion
c) Newton's third law of motion d) Law of conservation of momentum
- Q.11: State universal law of gravitation and also write down its mathematical form. 2M
- Q.12: Calculate the gravitational force between earth and moon. The mass of earth is 6×10^{24} kg and that of moon is 7.4×10^{22} kg and the distance between them is 3.84×10^5 km. 3M