

MODEL ENTRANCE TEST PAPER

SUBJECT: SCIENCE

GRADE: 7

TOTAL MARKS: 25

Q1 Fill in the following:

[6M]

- (i) Single celled organisms are too small to be seen only with.....
- (ii) The energy of the heat inside is geotherind energy.
- (iii) Balance the equation $\text{Na} + \text{Cl}_2 \rightarrow 2\text{NaCl}$
- (iv) In a particles are vary close together and they of not move very fort.
- (v) Weight is measure of the pull of on an object.
- (vi) The diffusion of water across the cell membrane is celled

Q2 Choose the best option, and circle the answer.

[5M]

(i) Which organelle provides support to help plants and stand upright?

- (a) Cell membrane
- (b) Chloroplast
- (c) Nucleus
- (d) Cell wall

(ii) Which substance is a compound?

- (a) Carbon
- (b) Chlorine.
- (c) Sodium
- (d) Sodium.

(iv) Which is the unit of force?

- (a) M /sec
- (b) Kilogram
- (c) Nowton
- (d) none of them.

(v) What type of heat transfer causes winds?

- (a) Radiation (b) Convection.
(c) Transversal (d) Conduction.

Q3 Choose the true and false statements. [2.5]

- (i) The total of kinetic and potential energy in the particles of a substance is thermal energy.
(ii) Mars (The planet) covered with blue dust.
(iii) A chemical released by endocrine glands is called antibodies.
(iv) The measure of the amount of solute dissolved in a solvent is solubility.
(v) The cell's nucleus contains DNA, a material that stores coded information how organisms grow and develop.

Q4 Match the following. [2.5]

- (a) Cell division (i) Mitosis.
(b) HCl (ii) cm^3
(c) Volume (iii) Hydrochloric acid
(d) Alveoli (iv) Airsacs
(e) Conductors (v) Copper.

Q4 Solve the following short questions. [5M]

- (a) What mean mechanical digestion?
(b) What are renewable and nonrenewable resources?
(c) How does plasma differ from gases?

(d) What is light – year?

(e) Describe types of muscles?

Q5 Label the following diagram.

[4M]

