



**THE LAWRENCE SCHOOL
SANAWAR
Entrance Examination for Class VIII**

SCIENCE

Time: 01 Hour

Max. Marks: 100

Name (In Capital Letters) _____

Registration Number _____

Centre _____

<p>MARKS OBTAINED</p>

Note: Teacher on duty is requested to ensure that the child has written correct and complete Registration Number

GENERAL INSTRUCTIONS

- 1. All questions are compulsory*
- 2. Questions are to be answered on the question paper itself (on the space provided against each question)*

Name of the Teacher

Signature

Q1. Answer the following:

(2 × 20 = 40)

(a) What is uniform motion? What is the nature of distance-time graph of uniform motion?

(b) How does an electric fuse work?

(c) State the two laws of reflection.

(d) Why can't we drink river water directly?

(e) How are the plants dependent on animals for their survival?

(f) Why is rainwater the purest form of water?

(g) Why is hard water not suitable for dyeing?

(h) What are electromagnets? Name two devices that use electromagnets.

(i) Why do we see white colour in Newton's disc when we rotate it very fast?

(j) Differentiate between a wind vane and an anemometer.

(k) What is fertilization?

(l) Differentiate between self pollination and cross pollination.

(m) Why do we feel a little cooler in summers after sweating?

(n) What are stomata? How do they help plants?

(o) How can a farmer convert acidic soil to neutral soil?

(p) Differentiate between weather and climate.

(q) Write the factors that cause rusting?

(r) Why does lime water turn milky on passing carbon dioxide gas into it?

(s) What is a neutralization reaction? Give an example.

(t) Differentiate between an element and a compound.

Q2. Give one word answers:

(1 × 20 = 20)

(a) A solid waste that is rich in organic matter. _____

(b) The process of seeping of water under the ground. _____

(c) A coil of wire closely wound in the form of a spiral. _____

(d) An uninterrupted path through which electric current flows. _____

(e) The part of the eye that acts as screen. _____

(f) An image that cannot be obtained on screen. _____

(g) Rain bearing winds from sea to land. _____

(h) The time taken by a pendulum to complete one oscillation. _____

(i) Underground stem with scales, leaves and buds. _____

(j) Spore bearing structures found in leaves of some plants like ferns. _____

(k) Tissue that carries water and minerals from the root to stem. _____

(l) Coiled, tube like organs present in kidney to filter blood. _____

(m) Tiny air sacs at the ends of bronchioles. _____

(n) Small openings on the bark of woody stem to help in exchanging gases. _____

(o) The layer where rainwater gets collected. _____

(p) Thick deposit of fat under the skin in animals in Polar Regions. _____

(q) The process of coating a layer of zinc on iron surfaces to prevent rusting. _____

- (r) An indicator dye extracted from lichens. _____
- (s) Bases that is soluble in water. _____
- (t) The number of atoms present in a molecule of an element. _____

Q3. Fill in the blanks: **(1 × 15 = 15)**

- (a) _____ help Amoeba to engulf its food.
- (b) For treating wasp's stings, _____ is used.
- (c) Worm manure is also called _____.
- (d) Coniferous forests are found in _____ region.
- (e) Plants release _____ during photosynthesis.
- (f) A number of interconnected food chains form a _____.
- (g) Atmospheric pressure is exerted on a body from all _____.
- (h) Wind is caused due to _____ difference between different regions.
- (i) The instrument used to know the distance traveled by a vehicle is called _____.
- (j) A _____ is the reproductive part of a plant.
- (k) _____ carry oxygenated blood.
- (l) Organisms that excrete urea are refereed to as _____.
- (m) _____ respiration causes cramps in the body.
- (n) _____ branch out further to form bronchioles.
- (o) _____ is used to measure rainfall.

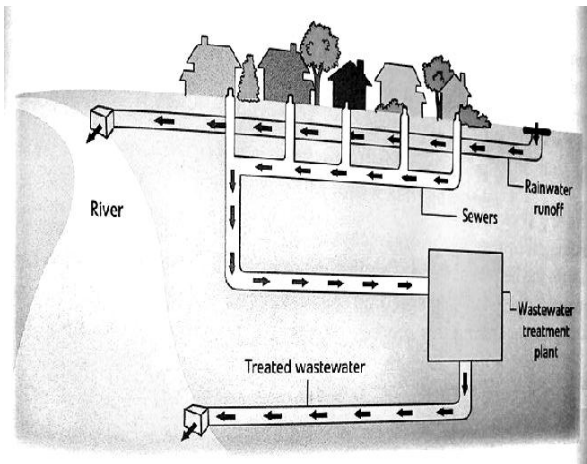
Q4. State TRUE or FALSE. **(1 × 15 = 15)**

- (a) The climatic condition of a place depends only on its altitude. _____
- (b) Tropical rainforests experience rain everyday. _____
- (c) Speed is refereed to as distance covered per unit time. _____
- (d) The circulatory fluid in human beings is water. _____
- (e) A concave mirror gives both real and virtual images. _____

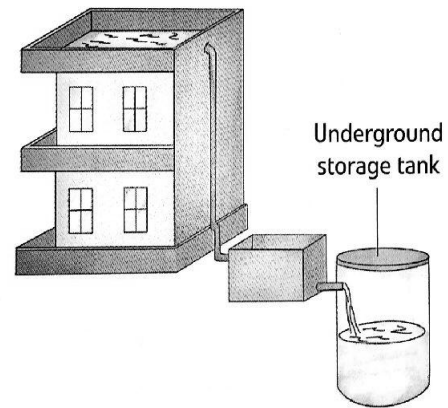
- (f) We hear the thunder first and see the lightning later. _____
- (g) Stock is inserted into scion for grafting. _____
- (h) Stamens are male parts of a flower. _____
- (i) Vegetative plants grow faster than those are produced from seeds. _____
- (j) Rusting and burning are chemical changes. _____
- (k) Crystals are the solids in their purest form. _____
- (l) Glass decays very quickly. _____
- (m) The earth is divided into four climatic regions. _____
- (n) Organic acids are obtained from mineral resources. _____
- (o) Stings of an ant contain acetic acid. _____
- (p) Bases are sour in taste and corrode metals. _____

Q5. Identify the concepts shown in these pictures:

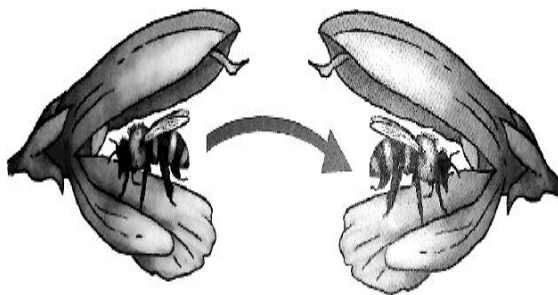
(1 × 10 = 10)



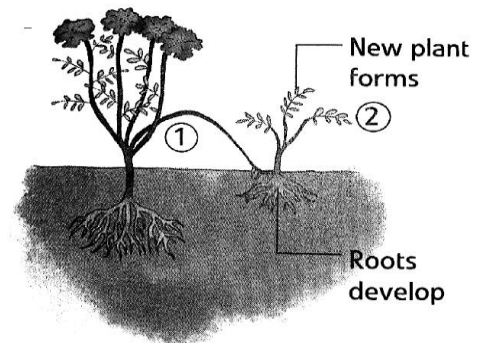
(a) _____



(b) _____



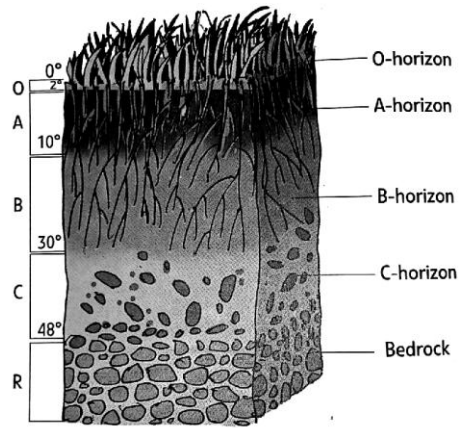
(c) _____



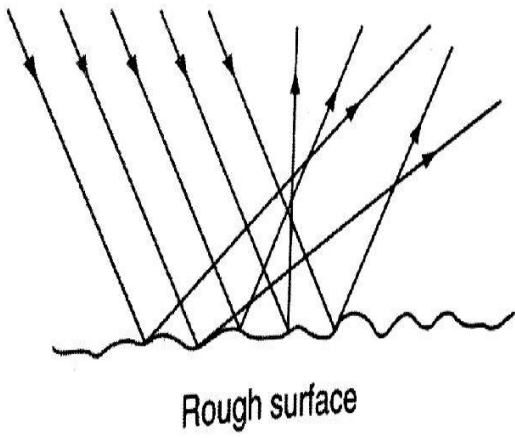
(d) _____



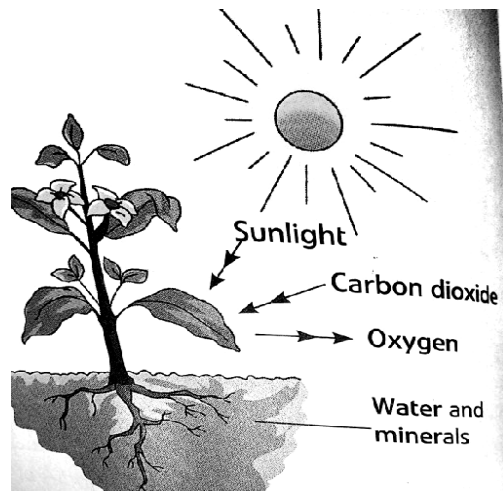
(e) _____



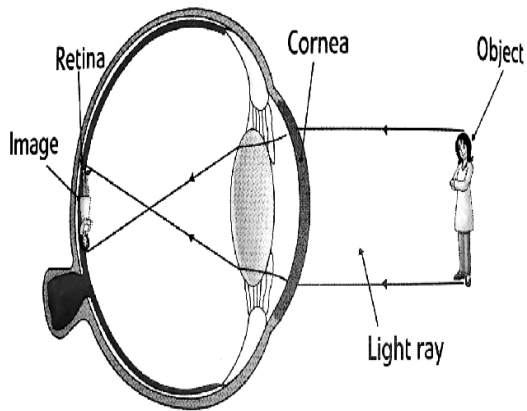
(f) _____



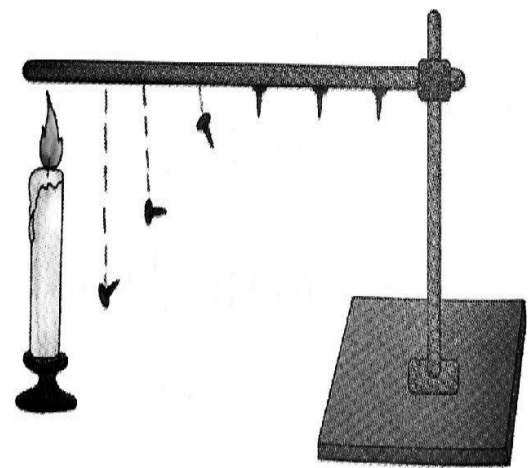
(g) _____



(h) _____



(i) _____



(j) _____