

SUCCESS KEY TEST SERIES

Unit Test - 2

Std: VIII (E.M)

Subject: General Science

Time: 2Hrs

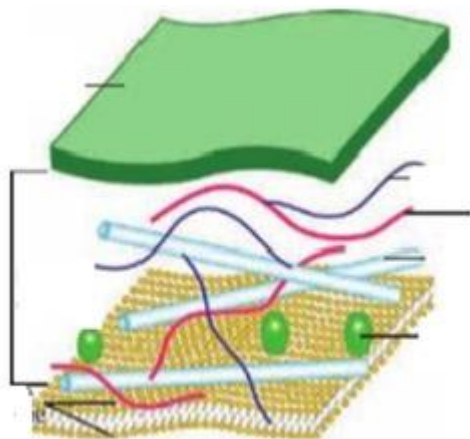
Date :

Chapter No. 6 to 10

Max Marks: 40

- Q.1 (A) Attempt the following:** 5
- (1) **Fill in the blanks:** 1
----- have 4 to 7 electrons in their valence shells.
- (2) **Find the odd man out** 1
Nucleolus, mitochondria, plastids, endoplasmic reticulum*
- (3) **Complete the analogy:** 1
Class A fire : water :: class B fire : -----
- (4) **Write True or False** 1
Soil erosion results in the depletion of oxygen level of water bodies.
- (5) **Who am I:** 1
I am chemical factory of the cell.*
- (B) Choose the proper alternative and fill in the blanks:** 5
- (1) Generally, metals are solid in nature. Which one of the following metals is found in liquid state at room temperature?
(a) Na (b) Fe (c) Cr (d) Hg
- (2) Contamination of air by harmful substances is called as -----
(a) water pollution (b) air pollution (c) soil pollution (d) noise pollution
- (3) Where does ribosomes present in the cell?
(a) Smooth endoplasmic reticulum.
(b) Rough endoplasmic reticulum.
(c) Chromosomes.
(d) Mitochondria.
- (4) Air is an example of type of matter called.....
(a) solution (b) homogeneous mixture (c) heterogeneous mixture (d) suspension
- (5) Buildings are constructed as per -----.
(a) I.S. 456 (b) IS 1893 (c) IS 13920 (d) All of these
- Q.2 Attempt the following:(Any Five)** 10
- (1) **Define the following:** 2
Lysosomes
- (2) **Give reasons:** 2
Don't use lifts at the time of earthquake.*
- (3) **Draw the following diagram:** 2
Mitochondria
- (4) **Distinguish Between** 2
Suspension and Colloid
- (5) **Solve the following** 2
- (6) **Answer the following** 2
Give functions:
a. Lysosome
b. Vacuole
c. Nucleus*

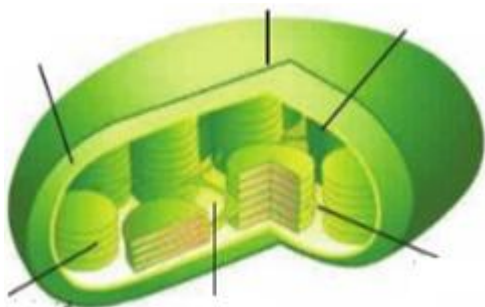
(1) Label the diagram:



(2) What is Endoplasmicreticulum(ER) and its functions?

(3) Give two examples of each of water, soil and air pollution from your residential area.*

(4) Label the diagram:



(5) How does the pollution occur due to vehicles? Give the names of vehicles causing least pollution.*

(6) If a crowd gathers at the place of earthquake, what would be the difficulties in relief work ?*

(7) How do substances travel in the cell?

Q.4 Attempt the following: (Any One)

(1) What would have happened ? If.

- a. RBCs had mitochondria.
- b. There had been no difference between mitochondria and plastids.
- c. Genes had been absent on the chromosomes.
- d. Plasma membrane had not been selectively permeable.
- e. Plants lacked anthocyanin.*

(2) Deduce the molecular formulae of the compound obtained from the following pairs of elements by the cross multiplication method.

- a. C (Valency 4) & Cl (Valency 1)
- b. N (Valency 3) & H (Valency 1)
- c. C (Valency 4) & O (Valency 2)
- d. Ca (Valency 2) & O (Valency 2)*