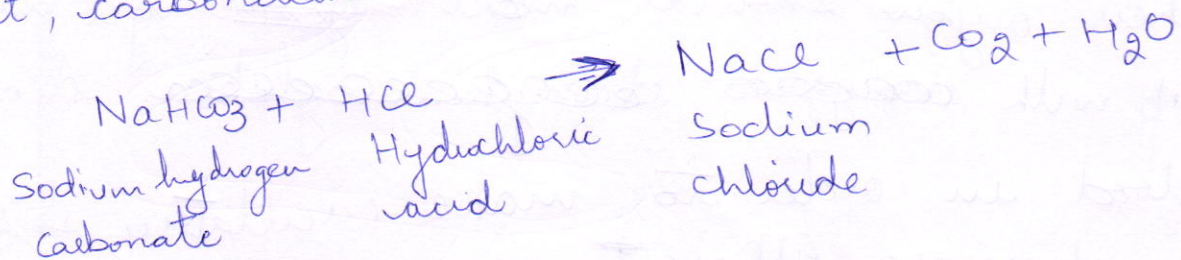


Date - 11th Aug 2018

CT-15

Section A

1. Metal hydrogen carbonate reacted with acid to form salt, carbon dioxide and water.



2. Lymph is another type of connective tissue involved in transportation. It is formed when some amount of plasma protein and blood cells escape into intercellular spaces in tissues through the pores present in the walls of capillaries.

Section B

3. Respiration

(i) ^a Biochemical process occur along with breathing, involves oxidation of food.

(ii) Respiration results in release energy which is then stored in the form of A.T.P.

Breathing

(i) It is a physical process involves taking in of O_2 and release out of CO_2 .

(ii) Breathing itself do not release energy. but require energy to proceed.

4. (i) Mammals and Bird are warm blooded animals, so they constantly need energy in order to maintain their ~~bd~~ body temperature. Due to this high energy need, they require more oxygen. Thus, it is important that their oxygen should ~~not~~ ~~get~~ get mixed up with ~~deoxygenated deoxyhaemoglobin~~ deoxygenated blood in order to make circulatory system much more efficient.

4 (ii) Ventricle's walls are thicker than that of atria because ventricles have to pump blood into various organs of the body while atria serves to release the blood.

Section C

9 (a) When ~~cud~~ or any other substance are kept in ^{metal} container then it produces a poisonous ~~or~~ substance which is unfit for health.

(b) ^{When} Zn strip is dissolved in CuSO_4 ~~or~~ solution it will displace copper from its solⁿ and displacement rxn will take place because Zn is placed above copper in reactivity series.

$$\text{Zn(s)} + \text{CuSO}_4(\text{aq}) \longrightarrow \text{Cu(s)} + \text{ZnSO}_4(\text{aq})$$