

Solved Science Sample Papers for Class 10 MP Board

General Instructions:

- a) This paper consists of one objective and one non-objective sections.
- b) All questions are compulsory.

SECTION-1[Objective Type Questions]

Fill in the blanks:

(i) First Indian artificial satellite is

Answer- Aryabhata

(ii) First Planet of Jovian group is.....

Answer- Jupiter

(iii) The planet which has highest number of satellite is.....

Answer- Saturn

(iv)is the brightest planet.

Answer- mercury

(v) Planets which have the similar structure like earth are called.....

Answer- earth planet.

Make the correct pair for section "A" choosing from section "B"

Section "A"

- i. Heart of Human works Like
- ii. Universal donor blood group
- iii. Strategic metal
- iv. diseases due to deficiency of Blood
- v. Transport of Oxygen is done by
- f. White blood corpuscles
- g. Iron

Section "B"

- a. Titanium
- b. Anemia
- c. Red blood corpuscles
- d. Pump
- e. 'O' Group

answers: i-(d) ii- (e) iii- (g) iv- (b) v- (c)

Choose the correct option

i. When ray of light enters from rarer medium to denser medium:

- a. It goes away from normal
- b. It goes towards normal
- c. Parallel to normal
- d. Reflected

Answer- b

ii. Photosynthesis takes place in presence of:

- a. Mitochondria
- b. Chlorophyll
- c. Ribosomes
- d. Vacuole

answer- b

iii. In Aerobic Respiration energy released from one molecule of glucose is:

- a. 38 ATP
- b. 32 ATP
- c. 46 ATP
- d. ATP

answer- a

iv. Unit of Resistance.

- a. Watt
- b. Volt
- c. Ampere
- d. Ohm

Answer – d

v. Which metal is not found in solid state?

- a. Gold
- b. Silver
- c. Mercury
- d. Copper

Answer- c

Answer the Following in one word each-

1. What is the pH value of pure water?

Answer- 7

2. Write down the formula of Bleaching Powder

Answer- CaOC

3. Which lens is used to correct the defect of short sightedness?

Answer- convex lens

4. What is called the potential difference between two points in electric circuit.

Answer- the difference between any two is called potential difference. For points A and B potential difference is

$$V(ab) = V(a) - V(b)$$

5. Name the metal which is kept in Kerosene.

Answer- sodium

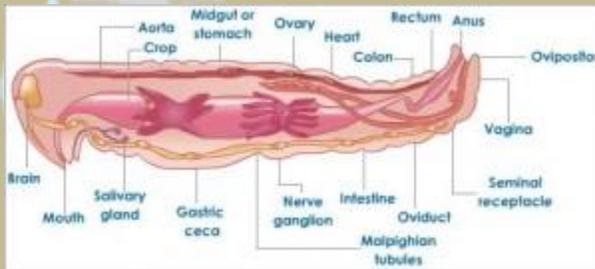
SECTION-2[Non-Objective Type Questions]

1. Differentiate between Exothermic and Endothermic reaction.

ANS: Exothermic reactions are those reactions that releases energy to the surroundings

Endothermic reactions are those reactions that absorbs energy to the surroundings

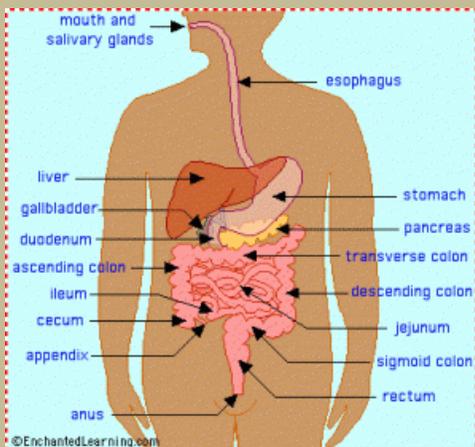
2. Draw the well labelled diagram of alimentary canal of gross hopper?



Alimentary Canal of Grass Hopper

3. Draw the well labelled diagram of digestive system of human being?

Ans:



Digestive System of Human Being

4. Write down the four functions of blood?

ANS: The functions of blood are:

1. The Blood Transports oxygen from the lungs to the blood cells.
2. The blood transports hormones and enzymes to the organs and tissues.
3. Blood helps in the mechanism of clotting
4. Blood increases the defense mechanism of the body from the micro-organisms.

5. Write down the molecular formula and IUPAC name of the following compound

i) Methyl Alcohol ii) Acetone

iii) Formic Acid iv) Formaldehyde

ANS: IUPAC Names:

(i) **METHANOL**

(ii) **propanone**

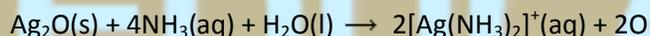
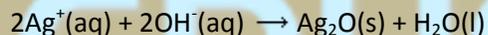
(iii) **methanoic acid**

(iv) **Methanal**

6. What is silver mirror test. Explain it with the help of equation.

ANS: The silver mirror test is a test that is used to differentiate between aldose sugars and ketose sugars. The silver mirror test is an alkaline solution of ammonium silver nitrate that is used to test aldehyde.

The reaction in the silver mirror test is given by the following equations:



7. Write down the four reason of the depletion of Ozone layer.

ANS: The main reason behind the depletion of ozone layer are:

1. Chlorofluorocarbons (CFCs)
2. bHydrofluorocarbons (HCFCs)
3. Halons

8. What is global warming? Write down its three reasons.

ANS: Global warming is defined as the rise in the normal temperature of the earth's temperature.causes of global warming are:

1. Emissions of Carbon dioxide from fossil fuel during the burning of power plants
2. Carbon dioxide emissions from burning gasoline for transportation
3. Deforestation in the tropical forests for wood, pulp, and farmland