

Half Yearly Examination

Subject : Science

Class : X

Time : 3 hrs

MM : 100

Objective Type Questions:**Q.1 Choose the correct answer :**

- Which one is king of chemical.
(a) HCl (b) H^2SO^4 (c) HNO^3 (d) CH^3COOH .
- Current measuring instrument is :
(a) Voltmeter (b) Ammeter (c) Galvanometer (d) Lactometer.
- Example of symbiosis is :
(a) Sandal plant (b) Nepenthes (c) Mushroom (d) Lichen.
- Respiration in grasshopper takes place by :
(a) Gills (b) Skin (c) Lungs (d) Trachea.
- Alloy of iron, Ni, Cr is :
(a) Steel (b) Stainless (c) Both (d) None.

Q.2 Fill in the blanks:

- NASA is situated in
- The biggest planet of solar system is
- Red blood corpuscles transport
-is called quick silver.
- The most part of the coal is

Q.3 Name the element store in kerosent

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- Which metal is called strategic metal?
- Write chemical formula of bauxite.

4. What is the pH value of pure water?
5. Write the international unit of electric power.

Q.4 Make correct pairs :

'A'

'B'

- | | |
|-----------------------------------|---------------|
| 1. Open circulatory system | Pheromones |
| 2. Ureotelic animal | Abscisic acid |
| 3. Hormone attracting the insects | Sodium |
| 4. Highly reactive metal | Mammals group |
| 5. Growth inhibiting hormone | Cockroach |

Q.5 State 2 function of Liver

OR

Why mendel select pea plant

Q.6 State Ohm's law.

OR

What is electroplating?

Q.7 What do you understand by dihybrid cross.

OR

What is vertical organ

Q.8 Write any two characteristics of Jovian planets.

OR

Write applications of satellite communication.

Q.9 What is corrosion? What are the factors affecting corrosion and how corrosion can be prevented?

OR

Write physical properties of non-metals.

Q.10 Write down the definition of evolution & gexction.

OR

Draw labelled diagram of blast furnace.

Q.11 What is green house effect? Which gases are responsible for this effect?

OR

What is acid rain? What is its effect on man?

Q.12 Write medicinal properties of Neem.

OR

Write medicinal properties of Babool, Peepal and Annar.

Q.13 Explain Weapon diagram.

OR

State difference between compound Artery & Vein.

Q.14 Write down method of water conservation.

OR

Draw the circuit diagram and determine the equivalent resistance when three resistances are connected parallel to each other.

Q.15 Draw a neat labelled diagram of solar cooker.

OR

Digestive system.

Q.16 Define fission and explain it with example of unicellular organism Amoeba.

OR

Draw a neat labelled diagram of longitudinal section of flower.

Q.17 Write the main uses of alcoho.

OR

Labelled diagram of chromosome & its function.

Q.18 Define rate of chemical reaction and give the factors that affect the rate of a reaction.

OR

Write the method of preparations, chemical name and chemical formula of plaster of paris.

Q.19 Write differences between aerobic and anaerobic respiration.

OR

Write difference between photosynthesis and respiration.

Q.20 Write the various functions of brain.

OR

What is reflex action? Draw a labelled diagram of reflex action.