

Mahatma Gandhi School, 5NGR

Annual Examination 2024-25

Roll no. -

Date-

Subject - Science

Class- 7th

Maximum marks -

-All the questions are compulsory

-Write neat and clean

Question 1. Fill in the blanks:

- i> Amoeba digests it's food in the _____.**
- ii> The hotness of an object is determined by its _____.**
- iii> No medium is required for transfer of heat by the process of _____.**
- iv> Arteries and veins are joined by a network of _____.**
- v> Sweat contains water and _____.**
- vi> Production of new individuals from the vegetative part of parent is called_____.**

- vii> An image that cannot be obtained on a screen is called _____.**
- viii> An image formed by a concave _____ cannot be obtained on a screen.**
- ix> Herbs form the _____ layer in the forest.**
- x> Dried _____ is used as manure.**

Question 2. State whether true or false

- i> A plane mirror always forms a real image.**
- ii> Light travels in circular path.**
- iii> An electric bell has an electromagnet.**
- iv> When the electric current through the fuse exceeds a certain limit , the fuse wire melts and breaks.**
- v> Formation of manure from leaves is a physical change.**
- vi> Condensation of steam is not a chemical change.**
- vii> All objects radiate heat.**
- viii> Digestion of starch starts in the stomach.**
- ix> The tongue helps in mixing food with saliva.**
- x> Solar energy is converted into chemical energy during photosynthesis .**

Question 3. Match the items in column I with column II

| Column I | Column II |
|-----------------|--------------------|
| (a) Yeast | i> Earthworm |
| (b) Diaphragm | ii> Gills |
| (c) Skin | iii> Alcohol |
| (d) Leaves | iv> Chest cavity |
| (e) Fish | v> Stomata |
| (f) Frog | vi> Lungs and skin |

Question 4. Draw:

- i> Process of photosynthesis
- ii> Respiration (breathing) in human beings

Question 5. Answer following questions:

- i> Why do we often sneeze , when we inhale a lot of dust-laden air?
- ii> What are the components of blood ?
- iii> Describe the function of the heart.
- iv> How does the process of fertilisation take place in flowers?
- v> A simple pendulum takes 32 seconds to complete 20 oscillations . What is the time period of the pendulum?

- vi> Show the shape of the distance-time graph for the motion in the following cases:**
- (a) A car moving with a constant speed .**
 - (b) A car parked on a side road .**
- vii> State two differences between a convex and a concave lens .**
- viii> Give one use of a concave and a convex mirror.**
- ix> Explain why there is no waste in a forest.**
- x> State differences between acids and bases.**