

DELHI PUBLIC SCHOOL, JAMMU

SESSION (2018-19)

ASSIGNMENT SHEET - I

Class: VIII

Subject: Science

Multiple Choice Questions

1. Which of these is not a unicellular organism?

- a) Amoeba
- b) Paramecium
- c) Hydra
- d) Euglena

2. The process not performed by non –living objects is

- a) Growth
- b) Movement
- c) Reproduction
- d) All of these

3. Nucleus and cytoplasm are together called

- a) Protoplasm
- b) Nucleoplasm
- c) Genes
- d) None of these

4. Nucleolus is rich in

- a) RNA
- b) DNA
- c) Fluid
- d) Plastid

5. A person with myopia cannot see _____ objects.

- a) Nearby
- b) Distant
- c) Colored
- d) Black

6. The image of an object is always formed on the

- a) Iris
- b) Retina
- c) Pupil
- d) Lens

7. The amount of light entering the eye is controlled by

- a) Eye lens
- b) Cornea
- c) Iris
- d) Ciliary muscles

8. Which color shows maximum deviation on passing through a prism?

- a) Red
- b) Violet
- c) Indigo
- d) Blue.

9. The electrode connected to the _____ terminal of the cell is called anode

- a) Positive
- b) Negative
- c) None of these
- d) Both of these

10. Addition of salt makes the distilled water, a _____ conductor of electricity.

- a) Good
- b) Metallic
- c) Bad
- d) Non-metallic

11. The device which can detect current at very low voltages in an electric circuit is

- a) MCB
- b) LED
- c) Lead
- d) Bulb

12. The decomposition of an electrolyte, when an electric current is passed through it, is called

- a) Electroplating
- b) Electrolysis
- c) Decomposition
- d) None of these

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ASSIGNMENT SHEET - II

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Very Short Answer type questions

1. What do you understand by the anode and cathode?
2. What is a magnetic compass?
3. Name the three effects which an electric current can produce in an electrolytic cell.
4. Which two metals are used as superior metals in electroplating?
5. Define spectrum of light.
6. What do you understand by cataract?
7. State the laws of reflection.
8. Write the function of optic nerves.
9. Why chromosomes are called hereditary vehicles?
10. Name the scientist who gave the term cell.
11. Which part of the cell contains organelles?
12. What is the function of mitochondria present in the cell?

SHORT ANSWER TYPE QUESTIONS-I

13. Distinguish between unicellular and multicellular organisms with examples.
14. List various technological aids for visually challenged people.
15. If Angle between two mirrors is 45° , write down the number of images formed.
16. How is internal reflection prevented within eye?
17. Where are chromosomes found in a cell? State their function.
18. Define electroplating. Write down any two uses of the same.
19. How can we take care of eyes?
20. Why is distilled water a poor conductor of electricity? How can we improve its conductivity?

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ASSIGNMENT SHEET - III

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SHORT ANSWER TYPE QUESTIONS-II

- Q1. List out defects of eye and explain in detail any one of them.
- Q2. What is Electrolysis? List four applications of Electrolysis.
- Q3. Explain the working of an electric tester giving reasons for its malfunctioning and its repair.
- Q4. What is the function of a cell membrane? List out the cell organelles.
- Q5. Draw a fully labeled diagram of a compound microscope. Write down the magnification power of an electron microscope and a compound microscope.
- Q5. Explain level of organization in a living organism. What is meant by division of labour ?
- Q6. Give the characteristics and uses of a plane mirror.
- Q7. What is curable blindness? How can we cure the same?
- Q8. What is dispersion of light? Can we see a spectrum when a monochromatic light falls on a glass prism?

LONG ANSWER QUESTIONS

- Q9. Discuss what happens when an electrolyte is dissolved in water and then an electric current is passed through it.
- Q10. What is Lateral Inversion? Draw a diagram of the formation of image of a point object on a plane mirror.
- Q11. Define Regular and Irregular Reflection. State three Differences between Regular and Irregular reflection along with its parameters.
- Q12.a) Draw a well labeled diagram of plant cell.
b) Draw a well labeled diagram of prokaryotic cell.