



विद्या सर्वार्थ साधिका

ANANDALAYA  
PERIODIC TEST -3  
Class: VIII

Subject: Science  
Date: 04-01-2023

MM: 30  
Time: 1Hr 30 min.

General Instructions:

1. There are 15 questions in this question paper. All questions are compulsory.
2. Q. No. 1 to 6 are objective type questions and carry 1 mark each.
3. Q. No. 7 to 11 are short answer questions and carry 2 marks each.
4. Q. No. 12 to 14 are also short answer questions and carry 3 marks each.
5. Q. No. 15 is long answer question and carry 5 marks.

- 1 Plastic straws A and B are rubbed with dry cotton cloth. What will happen if they are brought near each other? (1)
- 2 Name the instrument which helps to detect the presence of charges on a charged body. (1)
- 3 Electrorefining is the process used for purification of copper. This process is carried out using Copper Voltmeter. A thin plate of pure copper and a thick rod of impure copper are used as electrodes in Copper Voltmeter. Which electrode should be attached to the positive terminal of the battery and why? (1)
- 4 Which one of the following is obtained from coal tar? (1)  
(A) Petrol (B) Coke (C) Air (D) Naphthalene Balls
- 5 Four sets of reproductive terms are given below. Choose the set that has an incorrect combination. (1)  
(A) sperm, testis, sperm duct, penis  
(B) menstruation, egg, oviduct, uterus  
(C) sperm, oviduct, egg, uterus  
(D) ovulation, egg, oviduct, uterus
- 6 The term 'Test Tube baby' is a misnomer. Why? (1)
- 7 Rahul checked the electrical conductivity of the drinking water and also the seawater with the help of his testing circuit. He found that the compass needle in the testing circuit deflected more in the case of seawater. Draw the circuit he used to check the electrical conductivity of the liquids and explain the reason for his observations. (2)
- 8 How does lightning conductor protect a building from getting struck by lightning? Explain with the help of a diagram. (2)

- 9 (a) Electricity is produced using many natural resources. Name the inexhaustible resource which should be used to produce electricity? (2)  
(b) Write two important uses of coke.
- 10 Give reason for the following statement: (2)  
“CNG is called as clean fuel.”
- 11 Explain the process of formation of petroleum. (2)
- 12 Anu wants to deposit silver on a copper chain. She took silver nitrate ( $\text{AgNO}_3$ ) solution in a beaker and setup a simple circuit for electroplating. (3)  
(a) Which terminal of the battery should the copper chain be connected to?  
(b) What material should the other electrode be made of?  
(c) Draw and explain the process of electroplating of silver on the surface of the copper chain.
- 13 (a) Name the petroleum product which is used in place of coal – tar for metaling the road in present days. (3)  
(b) Write any two properties as well as any two applications of coke.
- 14 Write scientific reason for the following statements: (3)  
(a) Mother gives birth to a baby but the baby has characters of both parents.  
(b) Though hen and frog both are oviparous, they have different types of fertilisation.  
(c) Platypus is oviparous yet it is classified as mammals.
- 15 (a) Write any two significant differences between asexual and sexual reproduction. (5)  
(b) Draw human female reproductive system and label the following parts:  
(i) site of fertilisation  
(ii) site of embryo implantation  
(c) What is cloning? Who cloned the first sheep Dolly?