

# Sharya Academy

## Class 7 Science Test 5

Time: 50 mins

### Acids Bases and Salts, Respiration and Electric

M.M.=25

### Current and its Effects

Q1 The device based on the heating effect of current is: 1 x 1 = 1

- a. Electric bell                      b. Fan                      c. Room heater                      d. Electric motor

Q2 Draw the symbol of a battery containing 3 cells. Also mark its terminals. 1 x 1 = 1

Q3 Explain, how will you convert an iron nail into an electromagnet? 2 x 1 = 2

Q4 Differentiate between open and close circuit. 2 x 1 = 2

Q5 Name the wire used for making the element of heating devices and why? 2 x 1 = 2

Q6 The acid present in curd is: 1 x 1 = 1

- a. Oxalic acid                      b. Lactic acid                      c. Tartaric acid                      d. Citric acid

Q7 \_\_\_\_\_ relieves acidity 1 x 1 = 1

- a. Milk of Magnesia                      b. Sugar                      c. Vinegar                      d. Curd

Q8 Why is slaked lime added to acidic soil? 1 x 1 = 1

Q9 What are neutral solutions? 1 x 1 = 1

Q10 Acid + Base  $\rightarrow$  Salt + Water. 2 x 1 = 2

Identify the type of reaction. Give an example of this type of reaction.

Q11 Write the effect of following test solutions on litmus paper: 2 x 1 = 2

Name of Solution	Effect on Red litmus paper	Effect on Blue litmus paper
Hydrochloric acid		
Sodium Hydroxide		

Q12 What is cellular respiration? 1 x 1 = 1

Q13 Name the respiratory organ of the following:  $\frac{1}{2} \times 2 = 1$

a. Insects

b. Earthworm

Q14 Draw a well labeled diagram of human respiratory system.

2 x 1 = 2

Q15 Why do we get muscle cramp after heavy exercise?

2 x 1 = 1

Q16 What is diaphragm?

1 x 1 = 1

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