



**Octahedral classes, kharadi**  
**2nd floor, yashwant plaza, near bank of India,**

**CLASS 08 - SCIENCE**  
**science**

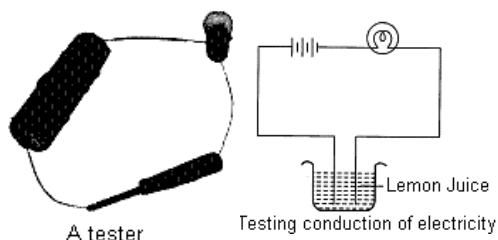
**Time Allowed: 1 hour**

**Maximum Marks: 40**

**Section A**

1. Name the gas deposited on negative electrode. [1]
2. Is air a conductor or an insulator? [1]
3. Name the gas deposited on a positively charged electrode. [1]
4. Name some materials that are good conductors of electricity. [1]
5. Name the process that shows the chemical effect of electricity. [1]
6. What are electrodes? [1]
7. How can we make distilled water a good conductor of electricity? [1]
8. Name the gases which release when current is passed through water. [1]
9. What is magnetic effect of electric current? [1]
10. What are the three effects of electric current? [1]
11. What is the application of chemical effects of electricity in our daily life? Give examples. [2]
12. What is electroplating? [2]
13. Paheli had heard that rainwater is as good as distilled water. So she collected some rainwater in a clean glass tumbler and tested it using a tester. To her surprise she found that the compass needle showed deflection. What could be the reasons? [2]
14. During electroplating the copper deposited on the plate connected to negative terminal comes from the solution. How this loss of copper from solution compensated? [2]
15. A tester is used to check the conduction of electricity through two liquids, labelled A and B. It is found that the bulb of the tester glows brightly for liquid A while it glows very dimly for liquid B, you would conclude that [2]
  - (i) liquid A is a better conductor than liquid B.
  - (ii) liquid B is a better conductor than liquid A.
  - (iii) both liquids are equally conducting.
  - (iv) conducting properties of liquid cannot be compared in this manner.
16. Does pure water conduct electricity? If not, what can we do to make it conducting? [2]
17. In previous class you have used a tester as shown in figure given below to test whether electric current passed through a particular material or not? When this tester is used for liquids sometimes even though the liquid allows the electric current to pass and the circuit is [2]

complete, bulb does not glow. What can be the reason?



18. Is it safe for the electrician to carry out electrical repairs outdoors during heavy downpour? Explain. [2]
19. What effect does the current produce when it flows through a conducting solution? [2]
20. Prepare a list of objects around you that are electroplated. [2]
21. Fill in the blanks: [1]  
Metals such as copper and aluminium conduct \_\_\_\_\_.
22. Fill in the blanks: [1]  
The deflection in \_\_\_\_\_ shows that current is passing
23. Fill in the blanks: [1]  
\_\_\_\_\_ does not corrode easily.
24. Fill in the blanks: [1]  
Distilled water is a \_\_\_\_\_ of electricity.
25. Fill in the blanks: [1]  
Most of the conducting liquids are the solutions of acids, bases and \_\_\_\_\_.
26. Fill in the blanks: [1]  
The water which is free of salts is called \_\_\_\_\_ water.
27. Fill in the blanks: [1]  
When salt is dissolved in distilled water, we obtain salt solution. This solution is a \_\_\_\_\_ of electricity.
28. Fill in the blanks: [1]  
In electroplating the object on which electroplating has to be done is made \_\_\_\_\_ electrode.
29. Fill in the blanks: [1]  
Distilled water is an \_\_\_\_\_ of the electricity.
30. Fill in the blanks: [1]  
If you pass current through copper sulphate solution, copper gets deposited on the plate connected to the \_\_\_\_\_ terminal of the battery.