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SERIES - 1

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**Important Questions
for Chhattisgarh
Board Exam ‘2021’**

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CLASS – 10th

Subject - Science

“Acid, Base and Salt”

2 Marks Questions.

1. What is pH value?
2. What is meant by Neutralization?
3. Write the name of two acids found in food material.
4. What is olfactory indicator? Give example.
5. Fresh milk has a PH-6. What will be change in PH as it turns in curd?
6. Why pickles are not kept in copper and aluminum vessels?
7. Suresh is a colour blind student, which indicates he can use to identify acid – base?
8. Identify the acids from following :
 $\text{HNa}_3, \text{Na}_2\text{CO}_3, \text{Ca}(\text{OH})_2, \text{HCl}$
9. What will be nature of aqueous solution of potassium chloride?
10. In the reaction of metal and acid, mostly which gas is released? How can you examine the released gas?
11. PH value of two substances A and B are 8.2 and 2.5. Which of it would be acidic and which would be basic. Which among it is used as an antacid?

3 Marks Questions.

12. PH value of Tikeshwari’s field soil is 4.2. How can she change the PH value of soil for good crop production?
13. What is Neutralization reaction? Give two examples.
14. Identify the acidic radical and basic radicals from following salts:
 $\text{NH}_4\text{Cl}, \text{KNO}_3, (\text{NH}_4)_2\text{CO}_3, \text{CuSO}_4$
15. Following are the PH value of some substances. Analyse the data given in table and answer the following questions:
 - a. Which substances have basic nature?
 - b. Which substances have acidic nature?

c. Which substances have neutral nature?

Substance	PH value
Baking Soda	8.2
Lime Juice	2.2
Vinegar	5.5
Sodium Hydroxide Solution	13
Water	7

16. Acid 'A' and 'B' taken in two beakers. Acid 'A' gets partially Ionised in water where as 'B' gets fully Ionised. State on this basis:

- Which is out of 'A' and 'B' is a weak acid and which is strong?
- What is weak acid?
- What is strong acid?
- Give two examples of each.