

SLIP TEST

10th CLASS

PHYSICAL SCIENCE

CHAPTER: Acids, Bases & Salts

NAME OF THE STUDENT: _____ Roll No: _____

MAX. MARKS: 25

Time: 45 min _____

I) Answer the following questions

4x1=4M

1. Define p^H scale
2. Are the concentration of ions increases or decreases in the process of dilution
3. What is neutralization reaction
4. How many water molecules are present in sodium carbonate

II) Answer the following questions

5x2=10M

5. Give two daily life uses of calcium sulphate hemi hydrate
6. Raju added an acid to sodium carbonate and observe a gas is released from this what are the questions arise in his mind
7. Complete the following table (Based on neutralization)

ACIDS/BASES	NaOH	KOH	H ₂ O
HCl			
H ₂ SO ₄			

8. Plaster of Paris should be Store in a moisture proof containers. Explain why?
9. Why does not distilled water conduct electricity?

III) Answer the following questions

2x4=8M

10. What is meant by water of crystallization of a substance describe an activity to show the water of crystallization.

(OR)

Show that the reaction of carbonates and metal hydrogen carbonates with acids produces carbon dioxide gas

11. Observe the following answer the questions given below

p ^H	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Substance	A					C		E		B				D	

- a) Which substance is strong base and weak acid?
- b) Which substances give pink colour with phenolphthalein solution?
- c) Which substance give colour with methyl orange?
- d) Which substance does not react with phenolphthalein and methyl orange?

(OR)

Draw a neat diagram showing acid solution in water conducts electricity

IV) Fill the following blanks

6x1/2=3M

12. The process of dissolving an acid or a base in water is an _____
13. The chlorine gas is used for the manufacture of _____
14. Tooth decay starts when the pH of the mouth is lower than _____
15. Acid + metal → salt + _____
16. Non metallic acids are in _____ nature
17. CaSO₄.2H₂O is a formula of _____