

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

ACIDS, BASES AND SALTS

SESSION -2024-25

CLASS - 10th

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Time: 1hr Test - Acids, Bases, and Salts :- mm: 50

Q. 1. Multiple choice questions:-

(i) A solution turns red litmus blue, its pH is likely to be -

- (a) 1 (b) 4
(c) 5 (d) 10



(ii) Which acid is present in sting of a honey bee?

- (a) Hydrochloric acid (b) Acetic acid
(c) Sulphuric acid (d) Methanoic acid

(iii) Dissolution of acid or base in water is -

- (a) Endothermic (b) Exothermic
(c) Violent (d) None of these

(iv) HCl acid reacts with NaOH to form salt and water. This reaction is called -

- (a) Redox reaction (b) Combination
(c) Neutralisation (d) Dissociation



(v) Which one of the following types of medicines is used for treating indigestion?

- (a) Antibiotic (b) Analgesic
(c) Antacid (d) Antiseptic

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Q.2. Fill in the blanks -

- (a) mixing of concentrated acid or base with water is a highly reaction.
- (b) Tooth enamel corrodes if the pH of mouth is less than
- (c) pH of a neutral solution is
- (d) Litmus is a indicator.
- (e) acid is present in vinegar.



Q.3. Match the columns :-

- | | |
|------------------------------|------------------------|
| (i) vinegar | (a) plaster of paris |
| (ii) Sodium carbonate | (b) CaCO_3 |
| (iii) Formula of Common salt | (c) HCl |
| (iv) Strong acid | (d) NaCl |
| (v) marble | (e) permanent hardness |
| | (f) acetic acid |



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Q.4. When does acid rain occur? Write reasons and effects.

Q.5 Write any two uses of baking soda.



Q.6. Write the chemical name, formula and two uses of bleaching powder.

Q.7. Write two uses of each of the following
(a) Plaster of Paris (b) Washing Soda



Q.8. How does tooth decay occur due to pH change? How to prevent this?

Q.9. Write any four differences b/w acid and bases.

Q.10. Define neutralization reaction with example.

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