

Divisional Public School & College Sahiwal(Chichawatni Campus)

1st Revision Test Series 2024-25

Time:10 min. 10th P/R Chemistry Objective Paper#1

Marks:10

Name: _____ Section: _____ Roll No: _____

Note: Cutting, Overwriting, use of ink remover & lead pencil is not allowed.

Q.1: Choose the correct option: /10

1. Lactic acid is found in:
(A) Milk (B) Apple (C) Lemon (D) Urine
2. The word acid is derived from:
(A) Greek (B) Latin (C) English (D) Urdu
3. Which of the following is not acid:
(A) $AlCl_3$ (B) BF_3 (C) NH_3 (D) H^+
4. The natural source of formic acid is:
(A) Citrus fruits (B) Sour milk (C) Sting of bees (D) Rancid butter
5. Arrhenius concept is applicable only in:
(A) Salty (B) Aqueous medium (C) Non- aqueous (D) Double salt
6. The sum of pH & pOH at 25 °C is:
(A) 7 (B) 12 (C) 14 (D) 16
7. When HCl and KOH is reacted. The salt formed KCl is:
(A) Acidic (B) Basic (C) Neutral (D) Complex
8. Which salt is used as fertilizer:
(A) KNO_3 (B) KCl (C) $CaCl_2$ (D) $NaClO_3$
9. The product of Lewis acid- base reactions is called adduct. The bond between adduct specie is:
(A) Ionic (B) Covalent (C) Metallic (D) Coordinate covalent
10. The salt used as table salt and cooking purpose is:
(A) $NaCl$ (B) Na_2CO_3 (C) $NaClO_3$ (D) Na_2SO_4

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Q.2. Write down short answers. (14×2=28)

(i)	When and what was discovered by Sir Humphrey Davy?	(ii)	How can you justify that NaH_2PO_4 is an acidic salt?
(iii)	Differentiate between acid and base?	(iv)	Define a base and explain that all alkalies are bases but all bases are not alkalies?
(v)	Write down the limitations of Arrhenius concept?	(vi)	How are insoluble salts prepared?
(vii)	Define conjugate acid and base with example?	(viii)	Why salt is neutral explain with example?
(ix)	Give the characteristics of Lewis base and acid?	(x)	Define ionic product of water . Why ionic product constant of water is temperature dependent?
(xi)	Define neutralization reaction with example?	(xii)	Why BF_3 behaves as Lewis acid?
(xiii)	What are indicators. Give example?	(xiv)	What are mixed salt. Give example?

Long Questions

6+6=12

Q.3:	Write down the uses of following salts: Calcium oxide , Sodium tetraborate, Sodium Chloride
Q.4:	What is auto ionozation of water?How is it used to establish the pH of water?