

ACIDS, BASES, SALTS AND METALS BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Table salt (NaCl) is a product of

- a) Strong acid and strong base
 - b) Weak acid and strong base
 - c) Weak acid and weak base
 - d) Strong acid and weak basic
-

Q2. Bleaching powder gives smell of chlorine because it –

- a) is a mixture of chlorine and slaked lime
 - b) is unstable
 - c) gives chlorine on exposure to atmosphere
 - d) contains excess of chlorine
-

Q3. Consider the following statements.

- Anhydrous Sodium bicarbonate is commonly known as baking sodium (baking soda).
- Baking soda is used as a fire extinguisher.
- Bleaching powders are produced in Hasnclaver plant.

Which of these statements is right.

- a) 2 and 3
 - b) Only 3
 - c) 1, 2 and 3
 - d) 1 and 2
-

Q4. Acid contained in the sting of an ant is _____ .

- a) formic acid
- b) lactic acid
- c) acetic acid
- d) ascorbic acid

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Q5. Statement I :

Addition of water to an aqueous solution of HC1 decreases the pH.

Statement II :

Addition of water suppresses the ionisation of HC1.

- a) Statement I is true, but Statement II is false
- b) Both the statements are individually true and Statement II is the correct explanation of Statement I
- c) Both the statements are individually true but Statement II is not the correct explanation of Statement I
- d) Statement I is false, but Statement II is true

Q6. Chemical formula of baking soda is –

- a) Na_2CO_3
- b) NaHCO_3
- c) MgSO_4
- d) MgCO_3

Q7. Two elements gallium and oxygen combine to form a compound Ga_2O_3 . Which among the following is the valency of gallium ?

- a) 3
- b) 1

c) 2

d) 4

Q8. Which of the following is not a hydrated salt?

a) Baking soda

b) Washing soda

c) Blue vitriol

d) Epsom salt

Q9. Which one among the following is not a property of salt?

a) Salts are brittle

b) Salts have ordered packing arrangements called lattices

c) Salts have low melting points but high boiling points

d) Salts conduct electricity when dissolved in water or even in the molten state

Q10. Bleaching powder gives smell of chlorine because it –

a) gives chlorine on exposure to atmosphere

b) is a mixture of chlorine and slaked lime

c) is unstable

d) contains excess of chlorine

Q11. Match List-I with List-II and select the correct answer using the codes given below the lists:

List-I	List-II
A. Potassium bromide	1. Fertiliser
B. Potassium nitrate	2. Photography
C. Potassium sulphate	3. Bakery

D. Monopotassium

4. Gun powder tartrate

Code: (A) (B) (C) (D)

a) A-4; B-2; C-3; D-1

b) A-2; B-4; C-1; D-3

c) A-2; B-3; C-1; D-4

d) A-4; B-2; C-1; D-3

Q12. What is Neela thotha?

a) Calcium Sulphate

b) Iron Sulphate

c) Copper Sulphate

d) Sodium Sulphate

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Q13. Which of the following is acidic in nature –

a) soap solution

b) slaked lime

c) apple juice

d) lime

Q14. On which of the following acid rain has adverse effects?

a) Historical monuments

b) Aquatic life

c) Marble structures

d) All of these

Q15. The pH of fresh milk is 6. When it turns sour, the pH

- a) becomes > 6
- b) becomes 6
- c) remains the same i.e., 6
- d) becomes neutral, i.e., 7

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Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (c)

Q3. Answer: (a)

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Q4. Answer: (a)

The sting of an ant contains formic acid. Its effect can be neutralized by rubbing moist baking soda on the affected part.

Q5. Answer: (a)

Q6. Answer: (b)

Q7. Answer: (a)

Q8. Answer: (a)

Baking soda is NaHCO_3

Q9. Answer: (c)

Q10. Answer: (a)

Q11. Answer: (b)

Q12. Answer: (c)

Q13. Answer: (c)

Soaps are sodium salts of higher fatty acids.

Q14. Answer: (d)

Acid rain affects all of them. Acid rain corrodes historical monuments and marble structures.

Acid rain alters the pH of water bodies by making it more acidic thus affecting aquatic plants and animals.

Q15. Answer: (b)

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