# **ROYAL PUBLIC SCHOOL**

## SECTOR - IV / B.S.CITY / SESSION 2016 -17

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### ASSIGNMENT WORK

Class – VII

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Sub – Science

<u>Topic – 4.ACIDS, BASES AND SALTS</u>

### **MULTIPLE CHOICE QUESTIONS** 1. Which of the following substances turn blue litmus red? a. Basic b. acidic c. neutral d. all of these 2. Which of the following is a property of an acid? a. Sour taste **b.** sweet taste c. bitter taste d. salty taste 3. Milk of magnesia contains ...... hydroxide. a. Sodium b. potassium c. magnesium d. ammonium 4. Manure is added, when the soil is too ...... a. Acidic b. basic c. neutral d. polluted 5. Baking soda solution turns pink china rose indicator green, it is ...... solution. a. An acidic b. a basic c. a neutral d. mineral 6. The taste of acid is a. Sweet b. bitter c. saltv d. none of these 7. Acids turn ..... litmus paper to ..... b. pink, orange c. red, blue a. Blue, red d. orange, pink 8. ..... produce hydroxyl ions in water. c. acids **b.** bases a. Alkalies d. salts 9. Which of the following is used for acidity? b. antiseptic d. analgesic a. Antibiotic c. antacid 10. Which of the following is not an indicator? a. turmeric b. lemon c. china rose d. beet 11. Sodium bicarbonate is commonly called...... c. slaked lime b. washing soda d. lime water a. Baking soda 12. Which of the elements is a constituent of organic acids? a. Nitrogen b. oxygen c. carbon d. all of these 13. Sulphuric acid isb. Inorganic acid d. all of these a. Strong acid c. mineral acid 14. Which of the following is not a strong acid? a. Hydrochloric acid b. nitric acid c. acetic acid d. sulphuric acid 15. Which of the following bases is used as an antacid to neutralize stomach acidity? a. Sodium hydroxide b. calcium hydroxide c. magnesium hydroxide 16. The acid produced when sulphur dioxide is passed through waster a. Hydrochloric acid b. sulphurous acid c. sulpuric acid 17. Which of the following is not a base? a. Sodium hydroxide b. potassium hydroxide c. zinc chloride 18. The gas evolved when metals react with an acid is a. Oxygen b. hydrogen c. carbon dioxide 19. Acids which accrue naturally in fruits and vegetables are called a. Mineral acids b. inorganic acids c. organic acids STATE TRUE OF FALSE. 1. Alkalies are sour to taste. 2. Mineral acids change to organic acids on addition of water. 3. Acidity of a base is the total number of hydrogen atoms present in one molecule of the base. 4. Sodium carbonate is also called limestone. 5. The salt formed by the neutralization of NaOH with HCl is basic in nature. 6. Acids obtained from tomato, unripe mango and tamarind are mineral acids. 7. Any concentrated acid can be diluted by adding water to it. 8. The acid used in 'soda' or fizzy soft drinks is carbonic acid. 9. When acids react with metals, the hydrogen of the acid is replaced by the metal.

10. Carbonic acid does not react with	
•	entrated nitric acid are always kept in metallic containers.
Column A	Column B
Column A	Column B
1. Tartaric acid	a. zinc carbonate
2. Turmeric	b. calcium oxide
3. Neutralization reaction	c. human – made indicator
4. Quicklime	d. natural acids
5. Phenolphthalein indicator	e. gives salt and water
6. Calamine solution	f. natural indicator
7. Organic acids	g. sour taste
8. Limestone	h. Mg (OH) <sub>2</sub>
9. Acetic acid	i. NaHCO₃
10. Caustic soda	j. HNO₃
11. Common salt	k. CH₃COOH
12. Green vitriol	I. NaNO₃
13. Milk of magnesia	m. NaNO₃
14. Nitric acid	n. NaCl
15. Baking soda	o. FeSO4.7H2O
16. Chile salt petre	p. CaCO₃
N THE BLANKS.	
1. Turmeric turns	in basic solution.
2. Mineral acids are highly	in nature.
3. Phenolphthalein is a	indicator.
4 Solution turr	ns pink china rose indicator dark pink.
5 acid is present	in vinegar.
6. An alkali is a Sol	uble in water.
7. Acid rain causes	. of buildings.
8. All Contain hydro	ogen atoms.
9. The basic substance used for v	white washing walls is
10 Turns red litmus blue.	
11. Toothpastes contain	
12. The pH of pure water is	
13. Car batteries contain	acid.
14. Acids have a taste.	
15. Acids which are present in citr	us fruits and sour curd belong to the group of
acids.	
16. When acid and base react toge	ether a new compound called is formed.
17. Mineral acids are obtained from	•
18. All acids contain	

- <list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>

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