



# INDIAN SCHOOL AL WADI AL KABIR

Post Mid Term Examination 2022-23

**SUB: Science – ANSWER KEY**

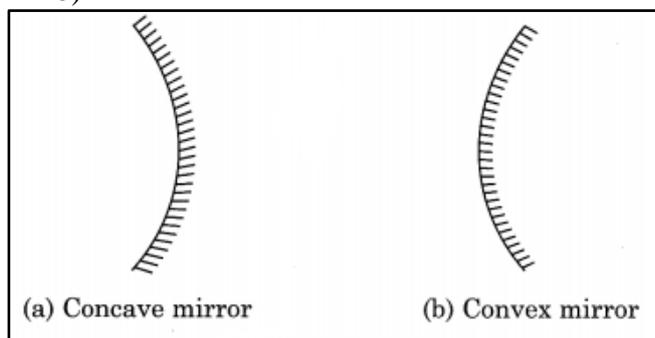
Date: 04 /12/2022

Time Allowed :1 hour

Class: VII

Maximum Marks: 30

1. Dispersion. [1]
2. Stainless steel [1]
3. Acidic. [1]
4. The chemical name of Vitamin C is Ascorbic acid. [1]
5. A & R are true and correct explanation. [1]
6. A is false R is true. [1]
7. A and R both are correct statement and reason is not correct explanation for assertion. [1]
8. a) When the face is held close to a concave mirror, then an enlarged image of the face is seen in the concave mirror, this helps a man in making a smooth shave. [1]  
b) Both convex and Plane mirror will form a virtual and erect image. [1]
9. a) To have milk of magnesia/ gelusil tablet/ eno to neutralise the effect of acidity. [1]  
b) Release of Carbon dioxide, nitrogen dioxide and sulphur dioxide in the atmosphere cause acid rain. [1]
10. a) Hydrochloric acid reacts with sodium hydroxide producing salt and water. [1]  
b) Great care should be taken while handling laboratory acids and bases because these are corrosive in nature, irritating and harmful to skin. [1]
11. a) Rainbows are formed by the splitting of white light of the sun through transparent water droplets present in the air. The sunlight splits into seven colours of the rainbow. [2]  
b) [1]



12. a) (i) Factory waste makes the water either acidic or basic. [1]  
(ii) If the water is acidic or basic the aquatic life in the river will be affected. Thus neutralising the waste will not harm the aquatic life to such a great extent. [1]

12. b) To prepare limewater, dissolve some lime (choona) in water in a tumbler. Stir the solution and keep it for some time. Pour a little from the top. This is lime water. [1]

13. a) When carbon dioxide gas is passed through lime water (Calcium hydroxide), it turns milky due to the formation of calcium carbonate. [1+1]



b) Rusting of iron requires contact with water (moisture) and oxygen. By painting an iron gate, we prevent the contact between iron, Oxygen and water (moisture), this helps in preventing rusting of iron. [1]

14. a) During Photosynthesis, plants use carbon dioxide and water in the presence of sunlight and chlorophyll to form new substances- glucose and oxygen. [1]

During digestion, various food materials are broken down to form new substances which can be absorbed by the body. [1]

b) Formation of clouds is a physical change. Clouds are formed by the condensation of water vapours present in the atmosphere. When rainwater goes back on the earth, no new product is formed. Therefore, it is a physical change. [2]

c) Magnesium ribbon burns in air with a dazzling white light and forms a white ash. [1]

15. a) Convex mirror [1]

b) Laterally inverted [1]

c) Curved outward. [1]