

**BCM SCHOOL
BASANT AVENUE, DUGRI ROAD, LUDHIANA
Class VIII SCIENCE
Assignment Answer key**

Q1. Multiple Choice Questions (1 mark each)

1. Image formed by a plane mirror:

B. It is virtual and laterally inverted

2. Pitch of a sound depends on:

C. Frequency of vibration

3. Hottest zone of a candle flame:

C. Outermost non-luminous zone

4. Example of asexual reproduction:

C. Budding in hydra

Q5. Assertion–Reason (1 mark each)

5. Adolescence and growth hormone

A. Both A and R are true, and R is the correct explanation of A

6. Microorganisms harmful

D. A is false, but R is true

Q7. (2 marks)

1. The process in which a chemical change occurs due to passage of electric current is called Electrolysis.

2. One observable change showing a chemical reaction:

- Change in colour**

(Other possible answers: formation of gas, change in temperature, formation of precipitate.)

Q8. (2 marks)

An electrolyte is a liquid that allows electricity to pass through it.

Examples of conducting liquids:

- Lemon juice
- Salt solution

(Also acceptable: Copper sulphate solution, Acid solutions)

Q9. (3 marks)

Electroplating is the process of depositing a thin layer of one metal over another using electricity.

Diagram of Electroplating:

Explanation:

- The object to be plated is connected to the negative terminal (cathode).
- The metal to be coated is connected to the positive terminal (anode).
- The electrolyte contains the salt solution of the coating metal.
- When current passes, metal ions deposit on the object.

Why electroplating is done:

- To prevent corrosion
- To improve appearance

One advantage:

- Increases durability of objects.

Q10. (5 marks)

Ray Diagram – Image Formation by Plane Mirror

Explanation:

- Image is virtual and erect.
- Image distance behind the mirror equals object distance in front.
- Image is laterally inverted.

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	<p>Q11. Case Study Based (4 marks)</p> <ol style="list-style-type: none">1. The phenomenon is called Echo.2. Rohan heard his voice again due to reflection of sound waves from the hill.3. Minimum distance required: 17 metres4. Sound cannot travel in space because there is no medium	
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