

**Self Assessment Model Paper 2 (2025-26)**

**Science - Grade 8 (Physical Science)**

| <b>Q. No.</b> | <b>Correct Answer/Rubric</b>  |
|---------------|---|
| 1             | B   |
| 2             | C   |
| 3             | D   |
| 4             | B   |
| 5             | C   |
| 6             | D   |
| 7             | A   |
| 8             | D   |
| 9             | A   |
| 10            | A   |
| 11            | B   |
| 12            | B   |
| 13            | C   |
| 14            | D   |
| 15            | C   |
| 16            | Award full marks for giving complete answer.<br>1) No, Pure water does not conduct electricity.<br>2) We make water to conduct electricity by adding Salt. ( Award 1 mark for each point)   |
| 17            | Award full marks for giving complete answer.<br>(1) a thin layer of lubricant is formed between moving surfaces. Thus surfaces do not directly rub against each other. - 1mark<br>2) Interlocking of irregularities is avoided to a great extent. - 1mark   |
| 18            | Award full marks for giving complete answer.<br>1) The process of depositing a layer of any desired metal on another material by means of electricity is called electroplating. - 2 marks<br>2) the materials, which do not allow electric current to pass through them, are insulators of electricity. - 2marks  |
| 19            | Award full marks for giving complete answer.<br>1) Kumar -1 mark<br>2) Boxes are similar, so area of contact is same. -1 mark<br>3) Box pushed by kumar is heavier, the two surfaces are pressed harder. Hence more friction will act on it. - 1mark.<br>4) to overcome More friction, Kumar has to apply more force. - 1 mark  |
| 20 A          | Award full marks for giving complete answer.<br>(i) We deliberately increase friction: Grooves on tyres of vehicles are made to increase friction between tyres and road. - 2 marks ,<br>Sand is applied to hands before playing Kabaddi.—2marks<br>ii) We try to reduce friction:<br>Oil or grease is applied to chain of bicycle to make it's movement smooth. - 2marks<br>Ball bearings are used in machines to reduce friction and wear. - 2marks   |
| 20 B          | Award full marks for giving complete answer.<br>(1) Because copper and aluminium are good conductors of electricity. They allow current to pass through easily.—2marks<br>2) Because plastic and rubber are bad conductors (insulators). They protect us from electric shocks.—2marks<br>3) Because zinc coating protects iron from rusting when it comes in contact with air and rain.—2marks<br>4) Because rain water has dissolved salts and minerals due to reaction of gases in air with rain water, which make it conduct electricity.—2marks)) |