

Self Assessment Model Paper 2 (2025-26)

Science - Grade 8 (Physical Science)

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