

Self Assessment Term 1 Model Paper (2025-26)	
Biological Science - Grade 8	
Q. No.	Correct Answer/Rubric
1	A
2	C
3	B
4	D
5	B
6	A
7	D
8	A
9	C
10	B
11	1. Full marks if both the parts are correct. Ex: 1. Weeds, 2 By weeding/ tilling/ hand picking/ using weedicides 2. Half of the marks if any one part is correct. 3. No marks for incorrect / irrelevant answer or unattempted.
12	1. Full marks if both the parts are correct. Ex: 1. No, 2 Take only with doctors prescription/ complete the full course or any other relevant answer can be considered. 2. Half of the marks if any one part is correct. 3. No marks for incorrect / irrelevant answer or unattempted.
13	1. Full marks if any two differences are correct. Ex: 1. Egg - female gamete, Sperm - male gamete, 2 Egg - formed in ovary, sperm - formed in testis, 3. Egg - nonmotile, Sperm - motile. any other relevant difference can be considered. 2. Half of the marks if any one difference is correct. 3. No marks for incorrect / irrelevant answer or unattempted.
14	1. Full marks if four names and examples mentioned correctly. Ex: 1. Drying – Red chillies, grains, 2. Salting – Fish, 3. Pickling – Mango, Vegetables, 4. Refrigeration – Milk, vegetables. Any other relevant answers can be considered. 2. 3/4th of marks for any three methods and examples are correct. 3. Half of the marks if any two methods and their examples are correct or only four methods are mentioned correct. 4. 1/4th of marks if any one method and example is correct or only two or three methods mentioned correctly. 3. No marks for incorrect / irrelevant answer or unattempted.
15	1. Full marks if the diagram is drawn correctly and labels any two parts correctly. 2. 3/4th of the marks if a rough diagram is drawn and labelled any two parts correctly. Or draw the diagram correctly and label only one part correctly. 3. Half of the marks if the diagram is drawn correctly without labelling any parts. or. A rough diagram was drawn and labelled only one part correctly. 4. 1/4th of the marks if a rough diagram is drawn without labelling any parts. 5. No marks for incorrect/irrelevant answer or unattempted.
16	A) 1. Full marks if four parts answered correctly. Ex: i. Virus, ii. Tuberculosis, iii. Spray insecticides control breeding of and mosquitoes by not allowing water to collect in the surroundings, 4. Air/ contact 2. 3/4th of marks for any three parts are correct. 3. Half of the marks if any two parts are correct. 4. 1/4th of marks if any part is correct. 3. No marks for incorrect / irrelevant answer or unattempted. (or) B) Oviparous (egg-laying): Hen, Ostrich, Crocodile - 2marks Viviparous (give birth to young ones): Cat, Dog, Cow - 2 marks External features for classification: - 4 marks (2 marks each for two features) 1. Presence of nipples in viviparous animals 2. Wings/beak in oviparous birds 3. Body covering (feathers for birds, scales for reptiles) 4. Mammals have hair/fur Marks can be allotted in the following way.

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17	<p>A) Asexual reproduction is the formation of new individuals without fusion of gametes - 2 marks</p> <p>Examples 1. Budding, 2. Binary fission - 2marks (one mark each for each example)</p> <p>Small bud (bulge) grow on the parental organism which detaches and develops into a new individual. This method is seen in Hydra.- 2 marks (one mark each for each point)</p> <p>One organism/cell divide and gives rise to two new individuals. This method is seen in Amoeba. - 2 marks (one mark each for each point)</p> <p>(or)</p> <p>B) 1. Preparation of soil - Loosens soil; improves aeration and water holding capacity.</p> <p>2. Weeding - Removal of weeds, Prevent the competition between crop and weeds for nutrients/ prevents the spread of diseases.</p> <p>3. Modern irrigation methods - Using Drip/sprinkler irrigation systems. Saves water.</p> <p>4. Storage of grains - Preserving grains without spoiling. Prevents wastage of grains/ make them available throughout the year</p> <p>For each correct description 1 mark and for each use or importance of that particular step 1 mark. For one step, one correct use or importance only shall be considered.</p>

Self Assessment Term 1 Model Paper (2025-26)	
Physical Science - Grade 8	
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1	A
2	C
3	A
4	B
5	D
6	D
7	B
8	D
9	B
10	A
11	1) Iron or Copper or Graphite or any relavent metal-----1 mark, 2) Salt solution or any other relavent example-----1 mark.
12	1)Pollutan due to usage of LPG as cooking fuel is less. -----1mark, 2) Storing or transporting LPG is easy.-----1 mark. Award 2 marks for any two relavent sentences.
13	1)When I squeeze a rubber ball, it changes its shape.----1 mark. 2) When I press clay with my hands, it becomes flat and takes a new shape.---1mark , Award 2 marks for any two relavent sentences.
14	a) A= Water, B= Oil / petroleum, C= Gas-----3 marks, b) Density of B(Oil) and C(Natural gas) is less than A(Water)-----1 mark)
15	1) Reason (2 Marks): Vehicles move on wheels because wheels reduce friction between the vehicle and the road, making it easier to move smoothly and quickly. 2) Consequences (2 Marks): It would be very difficult to move vehicles as more force would be needed to overcome friction. The parts of the vehicle and the road would wear out quickly due to high friction.
16 A	A) Muscular Force: A person lifting a bucket of water uses muscular force. B) Gravitational Force: A ripe mango falling from a tree due to gravity. C) Electrostatic Force: A plastic scale rubbed on hair attracts small paper pieces. D) Frictional Force: A car slows down when brakes are applied due to friction. (Award 2 marks @each example)
16 B	1. How friction is useful to human beings in fulfilling their basic needs: 1. Walking: Friction between our feet and the ground helps us walk without slipping. 2. Eating: Friction helps us hold a spoon, fork, or food in our hands while eating. 3. Drinking: Friction allows us to grip a glass or bottle properly while drinking. 4. Sleeping: Friction between our body and the bed or mattress prevents us from sliding off, helping us sleep comfortably. (1m@each statement -----4marks) 2. How friction is both desirable and undesirable in vehicles: <u>Desirable effects of friction:</u> 1. Friction between tyres and the road helps the vehicle move without skidding. 2. Friction in the brakes helps the vehicle stop safely when brakes are applied. <u>Undesirable effects of friction:</u> 1. Friction wears out the tyres over time, so they need to be replaced. 2. Friction reduces fuel efficiency because the engine has to work harder to overcome it." (1m@each statement -----4marks)
17 A	1.Petroleum was formed from tiny organisms that lived in the sea. When these organisms died, their bodies settled at the bottom of the sea. 2.They got covered by layers of sand and clay over time. 3. For millions of years, these layers built up and exerted pressure. 4. Due to absence of air, along with high temperature and high pressure, the dead organisms were transformed into petroleum and natural gas. (for content in each point award 2 marks, total 8 marks for total content)

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17 B	Electroplated Objects – Reason for Electroplating 1) Taps and bathroom fittings – To prevent rusting and give a shiny look 2) Artificial jewellery – To make them look like gold/silver at low cost 3) Bike/car parts – To increase durability and protect from corrosion 4) Food cans – To keep food safe and prevent iron from rusting