

KENDRIYA VIDYALAYA SANGATHAN, LUCKNOW REGION

MID TERM EXAMINATION – 2023 – 24

CLASS 8TH – SCIENCE – SET 1 – MARKING SCHEME

Q NO.	CORRECT ANSWER	MARKS	
1.	(b) cow-dung OR (c) Both a & b	1	
2.	(b) only inside the cells of the host organisms	1	
3.	(c) biogas	1	
4.	(d) sunlight	1	
5.	(a) outermost zone	1	
6.	(d) all the above conditions are necessary	1	
7.	(d) both (a) and (b)	1	
8.	(a) forest fires	1	
9.	(b) increase pressure OR (c) gravitational force	1	
10.	(a) place it on a trolley	1	
11.	Rhizobium Fixation of nitrogen in pulse plant	1 1	
12.	A i) Lactobacillus ii) Yeast iii) A protozoan iv) A virus	B setting of curd baking of bread causing malaria causing AIDS	$\frac{1}{2} \times 4 = 2$
13.	a) Liquids exerts equal pressure in all direction at the same depth. b) The stream of water that will come out of this (X) hole will have less pressure	1 1	
14.	Petroleum conservation research association. Its advices are: Drive at a constant & moderate speed as far as possible. Ensure correct tyre pressure (or any two advice) OR 1. Coal & petroleum are exhaustible natural resources and these will last only a few hundred years. 2. Burning of these fuels cause air pollution.	1 1 1+1 = 2	

15.	A. Gravitational force - non-contact force B. Muscular force- contact force	$\frac{1}{2} + \frac{1}{2} = 1$ 1
16.	<ul style="list-style-type: none"> • False • true 	1+1
17.	<p>i) Air does not enter the chimney from below so complete combustion can't occur hence flame flickers and gives smoke.</p> <p>ii) Air is not available so flame goes off.</p> <p style="text-align: center;">OR</p> <p>Diagram of a candle flame with four labelling.</p>	<p>1 + 1 = 2</p> <p style="text-align: center;">2</p>
18.	Two examples each of situations that shows friction is a friend two examples each of situations that shows friction is foe.	$\frac{1}{2} + \frac{1}{2} = 1$ $\frac{1}{2} + \frac{1}{2} = 1$
19.	<p>Sportsmen use shoes with spikes, as it increases friction so sportsmen get firm grip of the ground.</p> <p style="text-align: center;">OR</p> <p>Streamlined shape minimizes fluid friction, this makes them lose less energy.</p>	2
20.	<p>Red data book contains the record of endangered species.</p> <p style="text-align: center;">OR</p> <p>Endangered species are those which are facing the danger of extinction.</p>	1+1
21.	<p>Comparison of manure and fertilizer (4 points). Manure is better – it is eco-friendly, improves soil texture and it enhances the water holding capacity.</p> <p style="text-align: center;">OR</p> <p>Explanation of weeding in agriculture any two methods of weeding.</p>	$\frac{1}{2} \times 4 = 2$ $\frac{1}{2} + \frac{1}{2} = 1$ <p style="text-align: center;">1 2</p>
22.	<p>Explanation of sprinkler system. Explanation of drip system</p> <p style="text-align: center;">OR</p> <p>Tool A – Hoe, used for removing weeds Tool B - Seed drill, used for sowing of seeds</p>	<p style="text-align: center;">1.5 1.5</p> $\frac{1}{2} + 1 = 1.5$ $\frac{1}{2} + 1 = 1.5$
23.	<p>For any three effects of force.</p> <p style="text-align: center;">OR</p> <p>Shoulder bags are provided with broad straps and not thin straps as larger the area of straps lesser will be the pressure.</p> <p>b) Definition of pressure pressure = force/ area on which it acts</p>	<p style="text-align: center;">3</p> <p style="text-align: center;">1.5</p> <p style="text-align: center;">1 0.5</p>

