

Marking Scheme (2023-24)
Class-X
Science (Subject Code – 086) 6

Q. No.	Answer	Mark
<i>Section-A</i>		
1	b) Barium sulphate	1
2	b) Colourless	1
3	d) NaHCO_3	1
4	a) Sodium	1
5	b) $2\text{Na}^+ \left[\begin{smallmatrix} \text{O}^{2-} & \text{O}^{2-} \\ \text{O}^{2-} & \text{O}^{2-} \end{smallmatrix} \right]^{2-}$	1
6	d) 11 (2,8,1)	1
7	c) 14	1
8	b) Mushroom	1
9	a) tongue	1
10	c) Vegetative propagation	1
11	c) Growth hormones under the influence of the enzymes coded by a gene.	1
12	e) lack of oxygen and formation of lactic acid.	1
13	d) behind the mirror and its position varies according to the object distance.	1
14	c) scattering of light.	1
15	c) CFCs, Ozone	1
16	a) Broken down by biological processes	1
17	d) Assertion is false but Reason is true	1
18	a) Both A and R are true and R is the correct explanation of A.	1
19	d) Assertion is false but Reason is true	1
20	c) A is true but R is false.	1
<i>Section-B</i>		
21	Response with any of the given two arguments. [1+1] - Bubbles of gas/ Evolution of gas - Change in colour (Zn - silvery grey to black) - Change in temperature	2
22	- After fertilisation, the zygote divides several times to form an embryo within the ovule. - The ovule develops a tough coat and is gradually converted into a seed. - The ovary grows rapidly and ripens to form a fruit. - The petals, sepals, stamens, style and stigma may shrivel and fall off. [0.5x4=2]	2
23	To filter out nitrogenous waste products like urea and uric acid [0.5] from the blood [0.5] in humans. Organ for storage: Urinary Bladder [0.5] Organ for release: Urethra. [0.5] OR The blood emerges from the heart under high pressure and flows through arteries. Hence, to bear this pressure the arteries have thick and elastic walls. [1] -Veins have valves to ensure that the blood flows in one direction only. [1]	2

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A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'CL Gary' text.

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