

Marking scheme of Practice Paper-I ,2021-22

Class X Science (086)

Q.N.	ANSWERS
	SECTION - A
1.	A. 2
2.	B. Pop sound and Hydrogen Alternative question for visually impaired students B. Pop sound and Hydrogen
3.	C. Fe ₃ O ₄ .
4.	C. CaO (s) + CO ₂ (g) → CaCO ₃
5.	C. C Alternative question for visually impaired students C. weak acid and strong base.
6.	A. MnO ₂
7.	C- Combination and oxidation of phosphorus takes place
8.	C. Hydronium
9.	B. I and III.
10.	B. $3 \text{ Fe} + 4 \text{ H}_2\text{O} \longrightarrow \text{Fe}_3\text{O}_4 + 4 \text{ H}_2$
11.	B. II and IV Alternative question for visually impaired students B. chloroplast

12.	B. nephron Alternative question for visually impaired students B. nephron
13.	B. New chemicals are formed during a neutralization reaction.
14.	D. nucleus , chloroplast ,vacuole , guard cell Alternative question for visually impaired students D- nucleus , chloroplast and vacuole
15.	B. Anaerobic respiration
16.	C. It ensure blood flow in one direction.
17.	C- Concave mirror
18.	C. 30 cm Alternative question for visually impaired students Convex lens focus a real, point sized image at focus, the object is placed C.At infinity
19.	C- Diopter
20.	D. Velocity of light in vaccum to the velocity of light in the medium.
21.	C. $\angle i > \angle r$
22.	Image formed by plane mirror is C. Virtual and erect
23.	C- beyond 20 cm.
24.	B.Convex mirror
SECTION - B	
25.	A. 6,6
26.	B. (i) and (iii)
27.	B.Graphite

28.	A. Calcium
29.	D- 1 -a , 2-c and 3-b
30.	B. It reacts with cold water to form magnesium oxide and evolves hydrogen gas.
<p>Question No. 31 to 35 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:</p> <p>A. Both A and R are true and R is the correct explanation of A. B. Both A and R are true and R is not the correct explanation of A . C. A is true but R is false . D. A is False but R is true</p>	
31.	C. Both A and R are true and R is not the correct explanation of A .
32.	D. A is true but R is false
33.	C. A is true but R is false
34.	A. Both A and R are true and R is the correct explanation of A.
35.	A. Both A and R are true and R is the correct explanation of A.
36.	D. Dog fish, Toad, Lizard
37.	C- II and III
38.	A. I only
39.	A. concave lens of focal length -50 m
40.	B. 50 cm in front of the mirror
41.	C- Saprotroph.
42.	B. urine formation by filtration.
43.	B. 20 cm
44.	A. When power increases the focal length decreases.
45.	B. II
46.	C- 1.2×10^8 m/s
47.	C- When object is placed between the focus and centre of curvature.
48.	B-Sodium > Magnesium > Zinc > Iron

CASE BASED STUDY QUESTIONS -I

49.	A. Increases
50.	B. Black
51.	C. Rainbow formation
52.	C- Scattering of light
CASE BASED STUDY QUESTIONS -II	
53.	A. Silver
54.	D. (ii) and (iv)
55.	C- Only (ii)
56.	B. loses electrons
CASE BASED STUDY QUESTIONS -III	
57.	A. Haemoglobin in RBC
58.	B. White Blood Corpuscles
59.	B- Platelets
60.	D- All contents of blood except RBC and certain proteins.