## Marking scheme of Practice Paper-I ,2021-22 Class X Science (086)

	ANSWERS
Q.N.	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 <sub>3</sub> O <sub>4</sub> .
4.	C. CaO (s) + CO <sub>2</sub> (g) $\rightarrow$ CaCO <sub>3</sub>
5.	C. C  Alternative question for visually impaired students  C. weak acid and strong base.
6.	A. MnO <sub>2</sub>
7.	C- Combination and oxidation of phosphorus takes place
8.	C. Hydronium
9.	B. I and III.
10.	B. 3 Fe $+ 4H_2O$ $\longrightarrow$ Fe <sub>3</sub> O <sub>4</sub> $+ 4H_2$
11.	B. II and IV  Alternative question for visually impaired students  B. chloroplast

	B. nephron		
12.	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. $\angle i \ge \angle r$		
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.  Question No. 31 to 35 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:  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.  C. Both A and R are true and R is not the correct explanation of A.  32. D. A is false but R is true  31. C. 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 x 10 <sup>8</sup> 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		
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	47.	C- When object is placed between the focus and centre of curvature.
CASE BASED STUDY QUESTIONS -I	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	
CAS	SE 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.	