 MACRO VISION ACADEMY BURHANPUR	Sample Paper-I Answer Key (2026-27)		For Office Use Only
	Class:	XI Biology	
	Time:	03:00 Hrs.	
	M.M:	80	

Personal Information

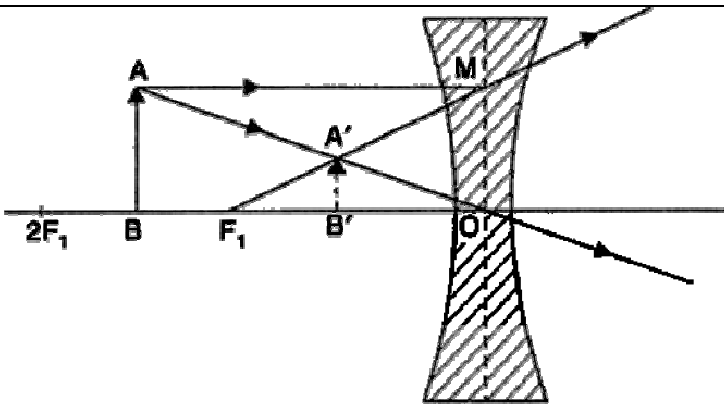
Student's Name:-_____ Father's Name:-_____

City:-_____ Mobile No:-_____ Exam Date:- / /2026

Studying in Class:-_____ Appearing for class:-_____ Board:-_____

Present School Name:-_____ Category:-_____

Physics (15)	Chemistry (15)	Biology (20)	Mathematics (10)	English (10)	MAT (10)	Total (80)	Remark

	Physics (15)	MM
	Choose the correct answer. (Q. 1 to 3)	
1.	(b) $f_2 = -f_1$	1
2.	(a) + 2 diopters	1
3.	(a) point away from the south pole	1
	Fill in blank. (Q. 4 to 9)	
4.	Fourth quadrant	1
5.	$\frac{4}{3}R$	1
6.	Scattering of light	1
7.	$h_i = 17.14$ mm	1
8.	Nature of mirror is convex mirror	1
	Do as Directed (Q. 9 - 10)	
9.		1

10.	<p> δ = Angle of deviation $\angle i$ = Angle of Incidence $\angle e$ = Emergent angle $\angle A$ = Angle of the prism </p>	1
11.	(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).	1
12.	(c) Assertion (A) is true but reason (R) is false.	1
13.	Bulb B ₂	1
14.	Bulb B ₁	1
15.	$3.6 \times 10^6 J$	1
Chemistry (15)		
Choose the correct answer. (Q. 16 to 18)		
16.	(a) $X = C$, $Y = CO$, $Z = CO_2$	1
17.	(b) To prevent decomposition of silver chloride.	1
18.	(d) An antacid	1
19.	(c) 2, 8, 8	1
20.	(b) LiCl	1
21.	CuO (Salt – copper oxide)	1
Fill in the blank. (Q. 22 to 27)		
22.	Mg reacts vigorously and quickly with dilute HCl	1
23.	Endothermic	1
24.	Catalyst	1
25.	Reduction reaction	1
26.	(i) Propyne (ii) Chloroprocaine	1
27.	Sodium carbonate	1
28.	(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A)	1

29.	(c) Assertion (A) is true but reason (R) is false.	1
30.	(d) Assertion (A) is false but reason (R) is true.	1
Biology (20)		
Choose the correct answer. (Q. 31 to 34)		
31.	(d) Plasmolysis	1
32.	(a) equal to that of blood.	1
33.	(c) iii, ii, iv, i	1
34.	(a) P and R	1
35.	Phototropism	1
36.	The plant hormone responsible for this movement is Auxin. It is most concentrated on the shaded side of the stem away from the light source.	1
37.	The roots would be expected to grow downwards, away from the light and towards gravity. (Positive Geotropism)	1
Fill in the blank. (Q. 38 to 44)		
38.	Proteins, fats OR carbohydrates.	1
39.	i) RR ii) rr	1
40.	Medulla oblongata	1
41.	Nephron	1
42.	Biomagnification	1
43.	Anaerobic respiration (or) Fermentation	1
44.	Recessive allele	1
Label the parts of diagram correctly (Q. 45 to 47)		
45.	(A) Plumule (B) Cotyledon	1
46.	(A) Sunlight (B) 1 Joule	1
47.	3, 2	1
48.	(c) Assertion (A) is true but reason (R) is false.	1
49.	(c) Assertion (A) is true but reason (R) is false.	1
50.	(c) Assertion (A) is true but reason (R) is false.	1
Mathematics (10)		
Choose the correct answer. (Q. 51 to 53)		
51.	(c) 3 and 1	1
52.	(a) -320	1
53.	(c) 6 cm	1
Fill in the Blank. (Q. 54 to 57)		
54.	$\frac{1}{3}$	1
55.	45°	1

56.	$2r + \frac{\pi r}{2}$ OR $\left(2 + \frac{\pi}{2}\right)r$ OR $r\left(\frac{4 + \pi}{2}\right)$	1
57.	8:27	1
	Subjective Type Questions (Q. 58 to 60)	
58.	3 cm, 4 cm, 5 cm	1
59.	5:2	1
60.	$A = 30^\circ, B = 30^\circ$	1
	English (10)	
61.	(c) A is false, but R is true	1
62.	(c) The curation of memory by algorithms can shape public norms and perceptions.	1
63.	(a) Forgetting is to personal growth	1
64.	(c) Legally or authoritatively enforced	1
	Fill in the blanks. (Q. 65 to 68)	
65.	Had been waiting	1
66.	Had taken	1
67.	did	1
68.		3
	MAT (10)	
	Solve the question based on general intelligence. (Q. 69 to 78)	
69.	(a) Son	1
70.	(d) Brother of grand mother	1
71.	(b) XPSL	1
72.	(d) 47	1
73.	(a) 5 m West	1
74.	(b) South	1
75.	(d) 176	1
76.	(c) 243	1
77.	(b) Cloud	1
78.	(a) HBSEFO	1
