

NAVODAY VIDYALAYA SAMITI

PRE BOARD I EXAMINATION 2023-24 SET-I

CLASS:XII

MARKING SCHEME-BIOLOGY

MAX.MARKS:70

Q.NO.	ANSWER KEY	MARKS	LEARNING OUTCOME
1	B	1	Relates processes
2	C	1	applies scientific concepts
3	B	1	Compares and analyse
4	B	1	Critically verifies
5	B	1	Compares and interprets
6	C	1	Observes and records
7	C	1	Compares and contrasts
8	A (Biology supplementary manual)	1	Applies scientific process
9	D	1	Identifies & correlates
10	C	1	Critically analyses
11	C	1	Observes critically
12	D	1	Observes critically
13	D	1	Critically analyses
14	B	1	Critically analyses
15	A	1	Critically analyses
16	A	1	Critically analyses
17	a.Placenta b.hCG,hPL,estrogen,progesterone (any two)	1+1	Recognises the parts
18	A.Haemophilia B.Thalassemia (b)A OR Definition, Reason	½+1/2+1	Critically thinks & interprets
19	a.Antigen binding site- helps to bind with antigen b.Antibodies are found in blood	1+1	Identifies ,explains
20	a.palindromic sequence, Restriction Endonuclease (ECORI) b.Molecular scissors	1+1	Memorises,explains
21	a.invertedpyramidand example b.one limitation	1+1	Critically thinks,cites example
22	Defines the three terms	1 +1 +1	Defines the terminologies
23	a.physicalbarrier,condom b.any two c.Copper releasing affects sperm motility,hormone releasing makes the uterus unsuitable for implantation	1+½+½+1	Analyses and interprets
24	a.Explanation with diagrams b. Desired protein will not be produced	2+1	Critically thinks and solves the problem
25	i.CO ₂ ,CH ₄ ,NH ₃ ,H ₂ ii.Theory of abiogenesis iii.Diagram iv.organic compounds	1+½+1+½	Draws the diagram and labels

	<p>their performance</p> <p>ii. Cocaine and cannabinoids</p> <p>iii. Erythroxylum coca, Cannabis sativum.</p> <p>iv. violent behavior –tremor, anxiety, etc</p>		
33	<p>a. NH₄Cl.</p> <p>b. On centrifugation in CsCl, the DNA settle at different positions based on their density</p> <p>c. Heavy DNA stands at the bottom of test tube while the lighter stands at the surface of solution in the test tube.</p> <p>d. DNA replication is semiconservative.</p> <p>OR</p> <p>1. 5' AUG(Met)UAU(Tyr)UGG(Trp)UAA 3'</p> <p>2. UAA, UAG, UGA, they do not code for any amino acid</p> <p>3. Degeneracy</p> <p>4. Instead of glutamic acid, valine is added to the protein.</p> <p>5. AAA, AAG</p>	1+1+1+2	Explains process and phenomena