

Punjab School Education Board

CLASS-XII

Distribution of Marks

Subject : Biology

Session 2023-24

Max Marks 70

Time allowed 3 Hours

Unit	Title	No. of periods	Marks
I	Reproduction	30	16
II	Genetics and Evolution	40	18
III	Biology and Human Welfare	30	12
IV	Biotechnology and its Applications	30	10
V	Ecology and Environment	30	14
	Total	160	70

SCHEMATIC DISTRIBUTION OF MARKS

Unit	Chapter	Section A 1 mark questions	Section B 2 marks questions	Section C 3 marks questions	Section D 5 marks questions	Total marks
Reproduction	1. Sexual reproduction in flowering plants	3	-	-	1 or 1 (One question should be from chapter 1 and other choice question should be from chapter 2)	8
	2. Human Reproduction	2	1	-		4
	3. Reproductive health	2	1 or 1	-	-	4
Genetics and Evolution	4. Principles of inheritance and variation	3	1 or 1	-	-	5
	5. Molecular bases of inheritance	2	1	1	-	7
	6. Evolution	1	1	1	-	6

Biology and Human welfare	7.Human health and diseases	3 (These 3 Questions are from comprehension paragraph)	1	1	-	8
	8. Microbes in human welfare	2	1	OR 1 (Choice question)	-	4
Biotechnology and its applications	9.Biotechnology- Principles and processes	2	1 or 1	1 or 1 (Choice question)	-	4
	10. Biotechnology and its applications	1	1	1 (Choice question)	-	6
Ecology and environment	11. Organisms and populations	2	1 (One choice question will be from chapter 13)	-	-	4
	12.Ecosystem	3	-	-	1 Or 1 (One question should be from chapter 12 and other choice question should be from chapter 13)	8
	13. Biodiversity and conservation	2	OR 1	-		2
No. Of questions		1(28 Parts)	10	4	2	17

Instructions to the paper setter

1. Question paper will consist of four sections A, B, C and D with total of 17 questions.
2. Section-A will contain question number 1 having 28 parts of 1 mark each. 15 questions will be of Multiple choice question type, 5 fill in the blanks , 5 are True/false and 3 questions from comprehension passage.
3. Section-B will contain questions number 2 to 11-total 10 short answer type questions of 2 marks each. Question 3,4,9,11 will have internal choice.
4. Section-C will contain questions number 12 to 15 -total 4 questions of 3 marks each. Question 14 and 15 will have internal choice.
5. Section-D will consist of question 16 and question 17 -total 2 questions of 5 marks each. One choice question will necessarily be of diagram/illustrative/graph based question. Both questions will have 100% internal choice.
6. There should be at least one comparison based question.
7. Language used should be clearly understood and specific.