

Punjab School Education Board

CLASS-XII

Distribution of Marks

Subject: Biology Session

2024-25

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 question s	Section-B 2 marks questio ns	Section-C 3 marks quest ions	Section-D 5 marks questions	Total marks
Reproduction	1. Sexual reproduction in flowering plants	1	1	-	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	1	1 or 1	-	1 or 1(one question should be from chapter 4 and other choice questions from chapter 5)	8
	5. Molecular bases of inheretance	1		1 or 1		4
	6. Evolution	1	1	1	-	6

Biology and Human welfare	7.Human Health and diseases	3	1	1	-	8
	8. Microbes in human welfare	2	1		-	4
Biotechnology and its applications	9.Biotechnology- Principles and processes	2	1 or 1	1 or	-	4
	10. Biotechnology and its applications	1	1	1 (Choice question)	-	6
Ecology and environment	11. Organisms and populations	1		1	-	4
	12.Ecosystem	1	1	-	1 Or 1 (One question should be from chapter 12 and will be of comprehension type, other choice question should be from chapter 13)	8
	13. Biodiversity and conservation	2	OR 1	-		2
No. Of questions		1(20 Parts)	10	5	3	19

Instructions to the paper setter

1. Question paper will consist of four sections A, B, C and D with total of 19 questions.
2. Section-A will contain question number 1 having 20 parts of 1 mark each. 12 questions will be of Multiple-choice question type, 4 fill in the blanks, 4 are True/false.
3. Section-B will contain questions number 2 to 11-total 10 short answer type questions of 2 marks each. Question 4,5,9,11 will have internal choice.
4. Section-C will contain questions number 12 to 16 -total 5 questions of 3 marks each. Question 12 and 15 will have internal choice.
5. Section-D will consist of question 17 to 19 total 3 questions of 5 marks each. One choice question in each of question number 17 and 18 will necessarily be of diagram/illustrative/graph-based question. One choice question in question number 19 will be comprehension type question (Comprehension type question should be from Chapter 12).All 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.