

Question Paper Part	Question type	Number of questions	Marks
PART - A I	MCQ	15	15
PART - A II	FILL IN THE BLANKS	05	05
PART - B III	SHORT ANSWERS (2 MARKS)	08	16
PART - C IV	SHORT ANSWERS (3 MARKS)	08	24
PART - D V	LONG ANSWERS (5 MARKS)	08	40
PART - D VI	LONG ANSWERS (5 MARKS)	03	15
	<b>TOTAL</b>	<b>47</b>	<b>115</b>

Chapter	No. of periods	Marks	Remember				Understand				Application				HOTS		
			MCQ	SA2	SA3	LA	MCQ	SA2	SA3	LA	MCQ	SA2	SA3	LA	MCQ	SA	LA
1. Sexual reproduction in flowering plants	12	11	1	*		*	1		1	*	1	*	*	*	*	*	1
2. Human reproduction	11	11			1	*	1	*		1	1	*	*	*	1	*	
3. Reproductive health	7	6	1	1		*	*	1		*	1	*		*	*	*	*
4. Principles of Inheritance	15	14	*	1		*	1	*		1	*	*		*	1	*	1
5. Molecular basis of Inheritance	15	14	*		1	1		*		1	*	*		*	1	*	*
6. Evolution	8	7	1	1		*	1	*	1	*	*	*		*	*	*	*
7. Human health and disease	13	13		1		1	*	*		*	*	*		*	1	*	1
8. Microbes in Human welfare	8	8	1	1		*	*	*		1	*	*		*	*	*	*
9. Biotechnology: Principles and Processes	8	8		*		*	*	1		*	*	*		1	1	*	*
10. Biotechnology and its applications	7	6	*		1	*	*		1	*	*	*		*	*	*	*
11. Organism and population	6	7	1	*		1	1	*		*	*	*		*	*	*	*
12. Ecosystem	5	5	1	1		*	*	1		*	*	*		*	*	*	*
13. Biodiversity and Conservation	5	5	1	1		*	*	*		*	*	*		*	*	*	*
<b>Total</b>	<b>120</b>	<b>115</b>	<b>07</b>	<b>07</b>	<b>03</b>	<b>03</b>	<b>05</b>	<b>03</b>	<b>03</b>	<b>04</b>	<b>03</b>	<b>00</b>		<b>01</b>	<b>05</b>	<b>00</b>	<b>03</b>

## II P U QUESTION PAPER PATTERN

1. The Question paper consists of Four parts; A, B, C and D
2. Part A - I consists of 15 Multiple choice questions, Part A - II consists of 5 fill up the blanks questions
3. All the questions of Part A - I and II are to be answered compulsorily
4. Part B consists of 8 short answer type questions carrying 2 marks each, out of which 5 questions to be answered
5. Part C consists of 8 short answer type questions carrying 3 marks each, out of which 5 questions to be answered
6. Part - D consists of V and VI. Part D - V consists of 8 long answer type questions carrying 5 marks each, out of which 4 questions to be answered. Part D - VI consists of 3 long answer type questions carrying 5 marks each, out of which 1 question to be answered.

### GENERAL GUIDELINES FOR SETTING THE QUESTION PAPER

1. The questions should be simple and unambiguous
2. The answers for the questions should be available in the prescribed text book or can be derived from the concepts of text book for application/reasoning/analytical/HOT questions
3. In part D, section VI only questions of Higher Order Thinking Skills to be framed.
4. The question paper should be prepared on the individual blue print on the basis of weightage of marks fixed for each chapter and units
5. At least one question carrying 1 mark, 2 marks, 3 marks and 5 marks have to be derived from each chapter wherever possible
6. When a question carrying 3 or 5 marks is split the sub questions should be derived from the same concept or different concepts of same chapter
7. Please avoid questions like explain with a neat labelled diagram. Frame questions only to expect neat labelled diagram
8. A variation of 1% weightage per objective of questions is allowed
9. Variation of 1 mark in each chapter or unit weightage is permitted while preparing the blue print and the total marks should not exceed 115.