

## DESIGN OF THE QUESTION PAPER

Time: 3 Hours 15 Minutes (of which 15 minutes for reading the question paper)

Max. Marks: 70

The weightage of the distribution of marks over different dimensions of the question paper shall be as follows:

### A. Weightage to Objectives:

Objective	Weightage (%)	Marks
Knowledge	40 %	42
Understanding	30 %	33
Application	15 %	15
Skill	15 %	15

Note: 1% or 2% variation is allowed per objective.

Note: Variation of one mark per chapter/unit is allowed. However the total marks should not exceed 105.

### B. Weightage to forms of questions:

Part	Type of questions	Main	Number of question to be set	Number of question to be answered	Units to be covered
A	1 mark – Very short answer (VSA)		10	10	All Units (05 Units)
B	2 mark – short answer (SA1)		8	5	
C	3 mark – short answer (SA2)		8	5	
D	5 mark – long answer (LA)	Section – I	05	04	
		Section – II	05	03	

### C. Weightage to level of difficulty:

Level	Weightage %	Marks
Easy	40 %	28
Average	40 %	28
Difficult	20 %	14

### General Instructions:

- Questions should be clear, unambiguous understandable and free from grammatical errors.
- Questions which are based on same concepts, law, fact etc. and which generate the same answer should not be repeated under different forms (VSA, SA and LA)

**WEIGHTAGE TO THE UNIT/CHAPTER (BLUE PRINT FOR ENTIRE SYLLABUS)**

UNIT NO.	UNIT	TOTAL TEACHING HOURS - UNIT WISE	CHAPTER NAME	NO. OF TEACHING HOURS	MARKS	TOTAL MARKS
VI	REPRODUCTION	29	1. REPRODUCTION IN ORGANISMS	5	5	25
			2. SEXUAL REPRODUCTION IN FLOWERING PLANTS	10	8	
			3. HUMAN REPRODUCTION	9	7	
			4. REPRODUCTIVE HEALTH	5	5	
VII	GENETICS AND EVOLUTION	30	5. PRINCIPLES OF INHERITANCE AND VARIATION	12	10	26
			6. MOLECULAR BASIS OF INHERITANCE	12	10	
			7. EVOLUTION	6	6	
VIII	BIOLOGY AND HUMAN WELFARE	25	8. HUMAN HEALTH AND DISEASE	10	7	21
			9. STRATEGIES FOR ENHANCEMENT OF FOOD PRODUCTION	9	8	
			10. MICROBES IN HUMAN WELFARE	6	6	
IX	BIOTECHNOLOGY	12	11. BIOTECHNOLOGY: PRINCIPLES AND PROCESSES	7	6	11
			12. BIOTECHNOLOGY AND ITS APPLICATIONS	5	5	
X	ECOLOGY	24	13. ORGANISMS AND POPULATION	7	6	22
			14. ECOSYSTEM	6½	6	
			15. BIODIVERSITY AND CONSERVATION	3½	4	
			16. ENVIRONMENTAL ISSUES	7	6	
	<b>TOTAL</b>	<b>120</b>				<b>105</b>