

CAREERS360

Maharashtra HSC Biology MODEL PAPER 2021



**Maharashtra State Board of Secondary and
Higher Secondary Education, Pune**
Sub. : Biology (56)
Std. XII

Weightage According to Learning Objectives

Sr. No.	Objectives	Total Weightage (With Option)	Percentage
1.	Knowledge	29 Marks	30%
2.	Understanding	41 Marks	42%
3.	Application & Skill	28 Marks	28%
	Total	98 Marks	100%

Weightage According to Difficulty level of the questions

Sr. No.	Level	Total Weightage (With Option)	Percentage
1.	Easy	29 Marks	30%
2.	Average	49 Marks	50%
3.	Difficult	20 Marks	20%
	Total	98 Marks	100%

Weightage According to types of questions

Type of questions	Marks for each questions	Number of questions	Total Marks
MCQ	1 Mark each	Q. No. 1 (i to x)	10 Marks
VSA	1 Mark each	Q. No. 2 (i to viii)	08 Marks
SA- I	2 Marks each	Q. No. 3 to 14	24 Marks
SA -II	3 Marks each	Q. No. 15 to 26	36 Marks
LA	4 Marks each	Q. No. 27 to 31	20 Marks
Total		31 questions	98 Marks



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Question Paper Format For Unit Test
Biology (56)
(Year 2020-2021 Onwards)

Time- 1½ hrs.

Marks : 25

Section A

Q.No.1 Select and write the correct answer: [04]

(i) to (iv) MCQ

Q.No.2 Answer the following: [03]

(i) to (iii) VSA

Section B

Attempt any Four: [08]

Q.No.3 to No. 8 SA- I

Section C

Attempt any Two: [06]

Q.No.9 to No. 11 SA-II

Section D

Attempt any One [04]

Q.No.12 to No. 13 LA



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Question Paper Format For Terminal Examination
Biology (56)
(Year 2020-2021 Onwards)

Time- 2½ hrs.

Marks : 50

Section A

Q.No.1 Select and write the correct answer: [07]

(i) to (vii) MCQ

Q.No.2 Answer the following: [07]

(i) to (vii) VSA

Section B

Attempt any Eight: [16]

Q.No.3 to No. 13 SA- I

Section C

Attempt any Four: [12]

Q.No. 14 to No. 19 SA-II

Section D

Attempt any Two: [08]

Q.No. 20 to No. 23 LA



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Question Paper Format for Annual Examination

Biology (56)

(Year 2020-2021 Onwards)

Time- 3 hrs.

Total Marks -70

General Instructions:

(1) Section A :

Q. No. 1 contains Ten multiple choice type of questions carrying one mark each.

Q. No. 2 contains Eight very short answer type of questions carrying one mark each.

(2) Section B :

Q. No. 3 to Q. No. 14 are short answer type of questions carrying two marks each.

(3) Section C :

Q. No. 15 to Q. No. 26 are short answer type of questions carrying Three marks each.

(4) Section D :

Q. No. 27 to Q. No. 31 are long answer type of questions carrying Four marks each.

(5) Figures to the right indicate full marks.

(6) For each MCQ, correct answer must be written along with its alphabet.

e.g., (a).... / (b)/(c)..... / (d)..... Only first attempt will be considered for evaluation.

Section A

Q. No. 1 Select and Write the correct answer: (10)

(i) to (x) MCQ

Q. No. 2 Answer the following: (08)

(i) to (viii) VSA

Section B

Attempt any Eight: (16)

Q. No. 3 to Q. No. 14 SA - I

Section C

Attempt any Eight: (24)

Q. No.15 to Q. No. 26 SA - II

Section D

Attempt any Three: (12)

Q. No.27 to Q. No. 31 LA



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Chapterwise Distribution Of Marks				
Unit	Ch. No.	Chapter	Marks	Marks with option
1 Reproduction	1	Reproduction in Lower and Higher Plants	6	8
	2	Reproduction in Lower and Higher Animals	6	8
2 Genetics and Evolution	3	Inheritance and Variation	4	6
	4	Molecular Basis of Inheritance	4	6
	5	Origin and Evolution of Life	4	6
3 Physiology	6	Plant Water Relation	5	7
	7	Plant Growth and Mineral Nutrition	5	7
	8	Respiration and Circulation	7	10
	9	Control and Co-ordination	8	11
4 Applied Biology	10	Human Health and Diseases	3	4
	11	Enhancement of Food Production	4	6
	12	Biotechnology	5	7
5 Ecology and Environment	13	Organisms and Populations	3	4
	14	Ecosystems and Energy Flow	3	4
	15	Biodiversity, Conservation and Environmental Issues	3	4
		Total :	70	98