

West Bengal Board Class 9 Life Science and Environment Syllabus

Life Science and Environment

Class IX

Syllabus –

1. Life and its Diversity
2. Levels of Organization of Life
3. Physiological Processes of Life
4. Biology and Human Welfare
5. Environment and its Resources

First Summative Evaluation: 40

Month of evaluation : April

Internal Formative Evaluation : 10

1. Life and its Diversity
2. Levels of Organization of Life

Second Summative Evaluation : 40

Month of evaluation : August

Internal Formative Evaluation : 10

3. Physiological Processes of Life

Third Summative Evaluation: 90

Month of evaluation : December

Internal Formative Evaluation : 10

4. Biology and Human Welfare
5. Environment and its Resources

N.B. : Along with these 2 themes, 3 themes from the first and second summative evaluation are to be included.

Life Science and Environment

Blueprint for Summative Evaluation of Class IX

Question Pattern and Distribution of Marks

1st Summative Evaluation

Total Marks: 40

Sl.No	Theme	Group A	Group B	Group C	Group D	Total Marks per Theme	Total Number of Questions
		MCQ One mark per question	VSA One mark per question	SA Two marks per question	LA Five marks per question		
1.	Life and its Diversity	$1 \times 2 = 2$	$1 \times 5 = 5$	$2 \times 2 = 4$	$5 \times 1 = 5$	16	10
2.	Levels of Organization of Life	$1 \times 5 = 5$	$1 \times 6 = 6$	$2 \times 4 = 8$	$5 \times 1 = 5$	24	16
	Total	7	11	12	10	40	26

Group A - MCQ : All questions are compulsory. There will be no alternative for MCQ.

Group B - VSA : Out of 13 questions, 11 questions are to be attempted. One (1) extra question is to be set from each theme. VSA questions may be of four types – answer in one word or one sentence, fill in the blanks, true/false and match column A with column B. In column matching two points are to be kept in mind – i) For each correct matching one (1) mark is allotted. ii) There should be at least one (1) extra option in Column B.

Group C - SA : Out of 8 questions, 6 questions are to be attempted. One (1) extra question is to be set from each theme.

Group D - LA : 2 questions are to be attempted. Alternative question from the same theme is to be set for each question. 5 marks can be given as a whole or can be divided in 3+2 or 2+3.

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Blueprint for Summative Evaluation of Class IX

Question Pattern and Distribution of Marks

2nd Summative Evaluation

Total Marks: 40

Sl. No	Theme	Group A	Group B	Group C	Group D	Total Marks per Theme	Total Number of Questions
1.	Physiological Processes of Life	MCQ One mark per question $1 \times 5 = 5$	VSA One mark per question $1 \times 10 = 10$	SA Two marks per question $2 \times 5 = 10$	LA Five marks per question $5 \times 3 = 15$	40	23
	Total	5	10	10	15	40	23

Group A - MCQ : All questions are compulsory. There will be no alternative for MCQ.

Group B - VSA : Out of 13 questions, 10 questions are to be attempted. VSA questions may be of four types – answer in one word or one sentence, fill in the blanks, true/false and match column A with column B. In column matching two points are to be kept in mind – i) For each correct matching one (1) mark is allotted. ii) There should be at least one (1) extra option in Column B.

Group C - SA : Out of 7 questions, 5 questions are to be attempted.

Group D - LA : 3 questions are to be attempted. Alternative question from the same theme is to be set for each question. 5 marks can be given as a whole or can be divided in 3+2 or 2+3.

Life Science and Environment
Blueprint for Summative Evaluation of Class IX
Question Pattern and Distribution of Marks
3rd Summative Evaluation

Total Marks: 90

Sl. No	Theme	Group A	Group B	Group C	Group D	Total Marks per Theme	Total Number of Questions
		MCQ One mark per question	VSA One mark per question	SA Two marks per question	LA Five marks per question		
1.	Life and its Diversity	1×3=3	1×3=3	2×2=4	5×1=5	15	9
2.	Levels of Organization of Life	1×3=3	1×4=4	2×3=6	5×1=5	18	11
3.	Physiological Processes of Life	1×3=3	1×5=5	2×3=6	5×2=10	24	13
4.	Biology and Human Welfare	1×3=3	1×4=4	2×2=4	5×1=5	16	10
5.	Environment and its Resources	1×3=3	1×5=5	2×2=4	5×1=5	17	11
	Total	15	21	24	30	90	54

Group A - MCQ : All questions are compulsory. There will be no alternative for MCQ.

Group B - VSA : Out of 26 questions, 21 questions are to be attempted. One (1) extra question is to be set from each theme. VSA questions may be of four types – answer in one word or one sentence, fill in the blanks, true/false and match column A with column B. In column matching two points are to be kept in mind – i) For each correct matching one (1) mark is allotted. ii) There should be at least one (1) extra option in Column B.

Group C - SA : Out of 17 questions, 12 questions are to be attempted. One (1) extra question is to be set from each theme.

Group D - LA : 6 questions are to be attempted. Alternative question from the same theme is to be set for each question.

5 marks can be given as a whole or can be divided in 3+2 or 2+3.