TABLE OF SPECIFICATION (ToS) – BIOLOGY GRADE 12

TABLE 1: NO. OF ITEMS AND MARKS DISTRIBUTION

Items	No. of Items	Marks per Item	Total Marks
MCQs	18	1	18
RRQs	10/13	4	40/52
ERQs	3/4	9	27/36
Total (Marks Set):	–	–	**85/106**

TABLE 2: COGNITIVE LEVEL OF ITEMS

Items	No. of Items	Knowledge	Comprehension/Understanding	Application
MCQs (18)	18	5 (28%)	9 (50%)	4 (22%)
RRQs (10/13)	13	4 (30%)	7 (54%)	2 (16%)
ERQs (3/4)	4	1 (25%)	2 (50%)	1 (25%)

TABLE 3: DIFFICULTY LEVEL OF ITEMS

Items	No. of Items	Easy	Moderate	Difficult
MCQs (18)	18	5 (28%)	9 (50%)	4 (22%)
RRQs (10/13)	13	4 (30%)	7 (54%)	2 (16%)
ERQs (3/4)	4	1 (25%)	2 (50%)	1 (25%)

TABLE 4: PAPER SETTING CRITERIA (Chapter-Wise Distribution)

Main Area of Biology	Unit #	Chapter Name	Weightage in Assessment (%)	MCQS (Marks) Each MCQ has 1 Mark	RRQs (Marks) Each RRQ has 4 Marks	ERQs (Marks) Each ERQ has Marks 4+5= 09	Total Marks
Life Processes (50%)	14	Respiration	7.9%	MCQ: 2	1(4)	1(5)	
	15	Homeostasis	4.9%	MCQ: 1	1(4)	1(4)	
	16	Support & Movements	6.0%	MCQ: 1	1(4)	1(5)	
	17	Nervous Coordination	6.4%	MCQ: 2	1(4)	1(5	
	18	Chemical Coordination	2.6%	.....	1(4)	....	
	19	Behaviour	5.6%	MCQ: 1	1(4)	1(4)	
Continuity in Life (29.3%)	20	Reproduction	4.5%	MCQ: 1	1(4)	....	
	21	Development & Ageing	9.8%	MCQ: 2	......	1(4)	
	22	Inheritance	10.5%	MCQ: 2	1(4)	1(4)	
	23	Chromosomes & DNA	7.5%	MCQ: 2	1(4)	....	
	24	Evolution	6.4%	MCQ: 1	1(4)	....	
Ecology (6.0%)	25	Man & His Environment	6.0%	MCQ: 1	1(4)	....	
Application of Biology (14.7%)	26	Biotechnology	10.9%	MCQ: 2	1(4)	1(5)	
	27	Biology & Human Welfare	3.8%	....	1(4)	....	
TOTAL	–	–	100%	MCQs: 18	RRQs: 13	ERQs: 4	18 + 52 + 36= **106**

Note:

1. The cognitive level distribution (**Knowledge 30%, Comprehension 50%, Application 20%**) will be maintained in annual/examination papers, with a permissible variation of ±5%.

2. The difficulty level distribution (**Easy 30%, Moderate 50%, Difficult 20%**) will also be maintained, with a permissible variation of ±5%.

3. The overall weightage of marks allocated to each **main area and chapter** will remain the same in the annual/examination papers. The type of questions (MCQs, RRQs, ERQs) may vary as long as the **chapter-wise distribution is preserved**.