

**Maharashtra State Board of Secondary & Higher Secondary
Evaluation Scheme**

Modified evaluation scheme of **UPGRADED** syllabus of Science & Technology, Mathematics (Algebra & Geometry).

SCIENCE AND TECHNOLOGY

Written test : - 60 Marks (Time : 2½ hrs.)
Internal Assessment - 40 Marks } **Total - 100 Marks**

* **Internal Assessment :**

- a) Practical exams - 20 marks
b) Multiple choice Questions (MCQ's) (Written test) - 20 Marks

Distribution of Marks [Chapter-wise]

Sr.No.	Name of Chapter	Marks	Marks with Option
1.	School of Elements	03	04
2.	The Magic of Chemical reactions	04	04
3.	The Acid Base Chemistry	03	04
4.	The Electric Spark	06	08
5.	All About Electromagnetism	04	05
6.	Wonders of Light - part I	06	08
7.	Wonders of Light - part II	04	05
8.	Understanding Metals and Non-metals	05	06
9.	Amazing World of Carbon Compounds	05	06
10.	Life's Internal Secrets	06	08
11.	The Regulators of life	04	05
12.	The Life Cycle	05	06
13.	Mapping Our Genes	05	07
	Total	60	76

Distribution of Marks [Objective-wise]

No.	Objective	Marks	Marks with Options	% of marks
1.	Knowledge	13	13	22
2.	Understanding	15	18	25
3.	Application	27	40	45
4.	Skill	05	05	08
	Total	60	76	100

Distribution of Marks [Question-wise]

Type of Question	Marks	Marks with Options	% of marks
Objective	14	14	23.33
Very short Answers	12	12	20
Short Answers	24	30	40
Long Answers	10	20	16.67
Total	60	76	100

Note : For written test there will be only one Question paper containing A and B sections. There will be two separate answer book for each section i.e. Section A and Section B.

PAPER PATTERN FOR SCIENCE AND TENCHNOLOGY

Q.No.	Question	Total Marks	
		Section A	Section B
1.	7 Questions of 1 mark each	07	07
2.	3 Questions of 2 marks each (Any 3)	06	06
3.	5 Questions of 3 marks each (Any 4)	12	12
4.	2 Questions of 5 marks each (Any 1)	05	05
		30	30
	Total (Section A + Section B)	60	

Section A		Section B	
Physics	20 Marks	Biology	20 Marks
Chemistry	10 Marks	Chemistry	10 Marks

TYPES OF QUESTIONS

- Q.1. Answer the following questions: (Give seven questions of 1 mark each) 7**
- Fill in the blanks.
 - Find odd one out.
 - Write the correlated terms.
 - Match the following.
 - State true or false. If false correct it.
 - Answer the following in one sentence.
 - Name the following.
 - Give the units of.
- Q.2. Answer the following questions: (Give three questions of 2 marks each) 6**
- Give scientific reasons.
 - Draw neat and labelled diagram.
 - Write short notes.
 - Write the balanced equation for the following.
 - State the laws/define the following.
 - Solve the following
 - Distinguish between.
 - Complete the chart.
 - Give the properties/uses.
- Q.3. Answer the following questions: (any four) (Give five questions of 3 marks each) 12**
- Explain the following with example.
 - Define/ State the law with the help of example.
 - Give the merits/demerits.
 - Explain the following terms.
- Q.4. Answer the following questions: (any one) (Give two questions of 5 marks each) 5**
- To prove the following.
 - Explain the construction and working with the help of the diagram.
 - Explain the following with the help of illustration.
 - Answer briefly.
 - Explain with the help of given points :
a) Law b) Diagram c) Construction d) Working e) Uses
 - Answer the following with the help of paragraph/chart/diagram given.

MATHEMATICS

Written test	: Algebra	- 60 Marks	Time : 2½ hrs.
	Geometry	- 60 Marks	Time : 2½ hrs.
	* Internal Assessment	- 30 Marks	
	Total	- 150 Marks	
	* Internal Assessment		
	Home work	- 10 Marks	
	First Unit test	- 10 Marks	
	Semester (Multiple choice Questions)	- 10 Marks	

ALGEBRA**Distribution of Marks [Chapter-wise]**

Sr.No.	Name of Chapter	Marks	Marks with Option
1.	Arithmetic Progression and Geometric Progression	12	15
2.	Quadratic equations	13	16
3.	Linear equations in two variables	14	18
4.	Probability	08	10
5.	Statistics - I	07	08
6.	Statistics - II	06	08
	Total	60	75

GEOMETRY**Distribution of Marks [Chapter-wise]**

Sr.No.	Name of Chapter	Marks	Marks with Option
1.	Similarity	12	15
2.	Circle	10	13
3.	Geometric Constructions	10	12
4.	Trigonometry	10	12
5.	Co-ordinate Geometry	08	11
6.	Mensuration	10	12
	Total	60	75

Distribution of Marks [Objective-wise]

No.	Objective	Algebra		Geometry	
		Marks	% of marks	Marks	% of marks
1.	Knowledge	09	15	09	15
2.	Understanding	09	15	09	15
3.	Application	36	60	30	50
4.	Skill	06	10	12	20
	Total	60	100	60	100

Distribution of Marks [Question-wise] For Algebra and Geometry

Type of Question	Marks	Marks with Options	% of marks
Very short Answered Question	06	07	10
Short Answered Question	22	27	36.67
Long Answered Question	32	41	53.33
Total	60	75	100

PAPER PATTERN FOR ALGEBRA AND GEOMETRY

Q.No.	Question	Marks for each Question	Total Marks	Marks with Options
1.	Solve any 6 out of 7	01	06	07
2.	Solve any 5 out of 6	02	10	12
3.	Solve any 4 out of 5	03	12	15
4.	Solve any 3 out of 4	04	12	16
5.	Solve any 4 out of 5	05	20	25
	Total		60	75