

QUESTION DESIGN

Subject :	Science		
	(a) Theory	Marks	: 70
	(b) Practical	Marks	: 10

Class :	IX		Total Marks : 80
			Time : 3 Hours

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

1. Weightage to Objectives of Learning :

Sl.No.	Knowledge	Mark	Percentage of Marks (approx.)
1.1	Knowledge	21	30%
1.2	Understanding	35	50%
1.3	Application/Skill	14	20%
	Total	70	100%

2. Weightage to Content :

Chapter No.	Title	Marks
1	Motion	5
2	Force and Laws of Motion	5
3	Gravitation & Floatation	5
4	Work and Energy	5
5	Sound	4
6	Matter in our surroundings	5
7	Is matter around us Pure ?	7
8	Atoms and Molecules	6
9	Structure of the Atom	5
10	The fundamental unit of life	5
11	Tissues	} 8
12	Diversity in living Organisms	
13	Why do we fall ill	4
14	Natural Resources	3
15	Improvement in food Resources	3
	Total :	70

3. Weightage to Forms of Questions :

Sl/No	Form of Questions	Marks for each Question	No. of Question	Total Marks	Percentage of Marks
3.1	Objective	1	14	14	20 %
3.2	Very Short Answer	1	07	07	10 %
3.3	Short Answer I	2	08	16	23 %
3.4	Short Answer II	3	07	21	30 %
3.5	Long Answer	4	03	12	17 %
	Total		39	70	100%

4. Weightage to Difficulty Level :

Sl/No	Level	Percentage of Marks
4.1	Easy	30%
4.2	Average	50%
4.3	Difficult	20%
Total		100%

5. Scheme of Option :

There shall not be any overall choice in the question paper. However, internal choice on a very selective basis shall be given based on same objective. It shall also have same mark allotment and same difficulty level.

6. Scheme of Section :

There shall be no section.

7. PRACTICALS

10 marks

Guidelines for Internal/External Examiner

7.1 Practical Exercise

5 marks

(i) Setting/handling of the apparatus

(ii) Calculation

(iii) Observation/result

(iv) Interpretation

} 3
} 2

7.2 Viva-voce

2 marks

7.3 Practical Record

3 marks

(i) Regularity in submission

(ii) Recording of experiments in proper way

(iii) Neatness

1 mark

1 marks

1 mark

Total

10 marks

BLUEPRINT - I

Subject : Science
Class : IX

Maximum Marks : 70
Time : 3 hours
No. of Paper : 1 (One)

Forms of Question Topic	KNOWLEDGE					UNDERSTANDING					APPLICATION/SKILL					TOTAL
	Obj (1m)	VSA (1m)	SA I (2m)	SA II (3m)	LA (4m)	Obj (1m)	VSA (1m)	SA I (2m)	SA II (3m)	LA (4m)	Obj (1m)	VSA (1m)	SA I (2m)	SA II (3m)	LA (4m)	
Motion	1(1)														4(1)	5(2)
Force and Laws of Motion			2(1)			1(1)		2(1)								5(3)
Gravitation and Floatation							1(1)		3(1)			1(1)				5(3)
Work and Energy		1(1)				1(1)			3(1)							5(3)
Sound				3(1)		1(1)										4(2)
Matter in our Surroundings			2(1)			1(1)							2(1)			5(3)
Is matter around us pure						1(1)				4(1)			2(1)			7(3)
Atoms and Molecules	1(1)						1(1)		3(1)		1(1)					6(4)
Structure of Atom	1(1)			3(1)			1(1)									5(3)
The Fundamental unit of Life	1(1)								3(1)		1(1)					5(3)
Tissues			2(1)			1(1)										3(2)
Diversity in Living Organisms										4(1)	1(1)					5(2)
Why do we fall ill	1(1)								3(1)							4(2)
Natural Resources							1(1)						2(1)			3(2)
Improvement in Food Resources		1(1)	2(1)													3(2)
Sub-Total	5(5)	2(2)	8(4)	6(2)		6(6)	4(4)	2(1)	15(5)	8(2)	3(3)	1(1)	6(3)		4(1)	70(39)
TOTAL			21(13)					35(18)					14(8)			

- Note:**
1. The figures in the bracket denotes the number of questions.
 2. This is only a sample blue print. The question setter may develop his/her own blue print as per the design.