

Appendix CBlueprint of Question PapersUsed for Testing Students' Achievement.Test - 1

Std. VIII

Marks : 10

Sub : Science.

Time : 35 min.

a) Weightage to Contents.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Microbial fermentation	3	30
2.	Preparation of food-stuff.	4	40
3.	Preparation of chemicals & Medicines.	3	30

b) Weight to objectives.

	<u>Objectives.</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	2	20
2.	Understanding	5	50
3.	Application	3	30

c) Weightage to types of questions.

	<u>Types of Questions</u>	<u>Marks</u>	<u>Percentage</u>
1.	Essay type	4	40
2.	Short answer type	2	20
3.	Objective type	4	40

Blueprint of the Question paper.

Objectives	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			Total Marks.
	E	S	O	E	S	Ø	E	S	Ø	
Form of Questions Content Area.										
1. Microbial fermentation.-		2 (1)	-	-	-	1 (1)	-	-	-	3 (2)
2. Preparation of food-stuff.				4 (1)						4 (1)
3. Preparation of Medicines and chemicals.									3 (3)	3 (3)
TOTAL MARKS		2		4		1			3	10

E - Essay type Questions.

S - Short type answer.

O - Objective.

* figures in brackets indicates questions.

figures without brackets indicate marks.

Blueprint of Question PaperTest 2- Based on Unit No. I - 2

Std. VIII

Marks : 10

Sub : Science

Time : 35 min.

a) Weightage to the content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Components of air	2	20
2.	Microbial fixing of nitrogen.	6	60
3.	Production of Humus.	2	20

b) Weightage to the Objectives.

	<u>Objectives.</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	4	40
2.	Understanding	3	30
3.	Skill	3	30

c) Weightage to the Types of Questions.

	<u>Types of Question</u>	<u>Marks</u>	<u>Percentage</u>
1.	Essay type	3	30
2.	Short answers.	4	40
3.	Objective type	3	30

Blue Print of the Question Paper.

<u>Objectives.</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Skills</u>			<u>Total</u>
—	E	S	P	E	S	O	E	S	O	
Forms of Questions										
Content area.										
1. Components of air.		2 (1)								2 (1)
2. Microbial fixing of Nitrogen.		2 (1)			1 (1)	3 (1)				6 (3)
3. Production of Humus.					2 (2)					2
Total		4			3	3				10

Test 3 - Based on Unit I - 3

Std. VIII

Marks : 10

Sub : Science

Time : 35 min.

a) Weightage to the Content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Nuisance micro-organism.	6	60
2.	Microbial spoilage of other articles.	2	20
3.	Precaution to be taken to preserve food and other articles.	2	20

b) Weightage to the objectives.

	<u>Objectives</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	5	50
2.	Comprehension	3	30
3.	Application	2	20

c) Weightage to the types of Questions.

	<u>Type of Questions</u>	<u>Marks</u>	<u>Percentage</u>
1.	Essay type	3	30
2.	Short answer type	3	30
3.	Objective	4	40

Blue Print of Question Paper.

<u>Objectives</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Marks</u>
Form of	E	S	O	E	S	O	E	S	O	
Questions										
Content Area										
1. Nuisance										
Micro-										
Organisms.	3				3					6
	(1)				(2)					
2. Spoilage										
of other										
articles.			2							2
			(2)							
3. Precaution										
to be										
taken for										
preservation										
of food and										
other										
articles.							2			2
							(3)			
TOTAL	3		2		3		2			10

Test - 4 Based on Unit I - 4

Std. VIII

Marks : 10

Sub : Science

Time : 35 Min.

a) Weightage to Content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Natural preservation	3	30
2.	Artificial Preservation	3	30
3.	Other ways of preservation of food and need for protection of food.	4	40

b) Weightage to Objectives.

	<u>Objectives</u>	<u>Weightage</u>	<u>Percentage</u>
1.	Knowledge	6	60
2.	Comprehension	2	20
3.	Application	2	20

c) Weightage to Question type.

	<u>Question type.</u>	<u>Weightage</u>	<u>Percentage</u>
1.	Essay	-	---
2.	Short	4	40
3.	Objective	6	60

Blueprint of the Question Paper.

<u>Objective</u>	<u>Knowledge</u>			<u>Comprehen-</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Form of Questions										
Content area										
1. Natural preservation			1 (1)					2 (2)		3
2. Artificial preservation		2 (1)	1 (1)							3
3. Other ways of preservation and need for protection of food.						2 (2)	2 (1)			4
TOTAL		2	4			2		2		10

Comprehensive Unit test based on Unit I

Std. VIII

Marks : 40

Sub : Science

Time : 1½ hrs.

a) Weightage to Content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Microbial fermentation.	11	27.5
2.	Preparation of chemicals and antibiotic.	5	12.5
3.	Microbial nitrogen fixation.	6	15
4.	Nuisance microbes	8	20
5.	Protection and preservation from microbes.	10	25

b) Weightage to Objectives.

	<u>Objectives.</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	20	20
2.	Comprehension	13	32.5
3.	Application	07	17.5
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	TOTAL	40	100

c) Weightage to Question types.

	<u>Question types</u>	<u>Weightage</u>	<u>Percentage</u>
1.	Essay type	12	30
2.	Short answer type	9	22.5
3.	Objective type	19	47.5
		---	-----
	TOTAL	40	100

Blue Print of the Question Paper

Objective	Knowledge			Comprehen - sion			Skill			Application			Total
-----	E	S	O	E	S	O	E	S	O	E	S	O	
Form of Question Content area.													
Microbial fermentation	<u>$\frac{1}{4}$</u>		<u>$\frac{4}{4}$</u>			<u>$\frac{1}{3}$</u>							11
Preparation of chemicals & antibiotics						<u>$\frac{5}{5}$</u>							5
Nuisance Microbes.			<u>$\frac{3}{3}$</u>		<u>$\frac{1}{4}$</u>						<u>$\frac{1}{1}$</u>		8
Microbial fixation of Nitrogen.			<u>$\frac{3}{3}$</u>			<u>$\frac{1}{3}$</u>							6
Protection and preservation from microbes.			<u>$\frac{1}{1}$</u>			<u>$\frac{1}{3}$</u>				<u>$\frac{1}{4}$</u>	<u>$\frac{2}{2}$</u>		10
TOTAL													40

Underlined figures show no. of questions.

Test - 5 Based on Unit II - 1

Std. VIII

Marks : 10

Sub : Science

Time : 35 Min.

a) Weightage to Content.

<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1. Difference between primitive and Modern man.	-	-
2. Natural resources	6	60
3. Uses of Natural resources.	4	40

b) Weightage to Objectives.

1. Knowledge	4	40
2. Comprehension	4	40
3. Application	2	20

c) Weightage to Question types.

<u>Question types.</u>	<u>Weightage</u>	<u>Percentage</u>
1. Essay type	-	-
2. Short answers	4	40
3. Objective	6	60

Blue Print of the Question Paper

<u>Objectives</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Form of Questions.										
1. Difference between Modern & Primitive Man.	-			-			-			
2. Natural resources.		2	2					2		6
		(1)	(2)					(2)		
3. Use of Natural resources.					2	2				4
					(1)	(2)				
TOTAL		2	2		2	2		2		10

Test No. 6 Based on Unit II 2

Std. VIII

Marks : 10

Sub : Science

Time : 35 Min.

a) Weightage to Content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Availability of resources	3	30
2.	Types of resources	4	40
3.	Cultural life of a place.	3	30

b) Weightage to Objectives.

	<u>Objectives</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	5	50
2.	Comprehension	5	50

c) Weightage to Question type.

	<u>Question type</u>	<u>Weightage</u>	<u>Percentage</u>
1.	Essay type	3	30
2.	Short answer	4	40
3.	Objective	3	30

Blue Print of Question Paper

<u>Objective</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Form of Question.										
Availability of Natural resources.		2	1							3
		(1)	(1)							
Types of Resources			2		2					4
			(2)		(1)					
Cultural life of a place.					3					3
					(1)					
TOTAL	2	3		3	2					10

Test 7 Based on Unit II 3

Std. VIII

Marks : 10

Sub : Science

Time : 35 Min.

a) Weightage to Content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Renewable resources and Non-renewable resources.	3	30
2.	Types of renewable and non- renewable resources.	5	50
3.	Difference between renewable and non-renewable resources.	2	20

b) Weightage to Objectives.

	<u>Objectives</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	3	30
2.	Comprehension	5	50
3.	Application	2	20

c) Weightage to Question types.

	<u>Question type</u>	<u>Weightage</u>	<u>Percentage</u>
1.	Essay type	3	30
2.	Short answer type	4	40
3.	Objective type answer	3	30

Blue Print of the Question Paper.

<u>Objective</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Form of Questions.										
Renewable and Non-renewable resources.			3 (3)							3
Types of renewable and non-renewable resources.				3 (1)			2 (1)			5
Difference between renewable and non-renewable resources.					2 (1)					2
TOTAL			3	3	2		2			10

Test - 8 Based on Unit II 4

Std. VIII

Marks : 10

Sub : Science

Time : 35 Min.

a) Weightage to the Content

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Careless use of Natural resources	5	50
2.	Proper use of Natural resources.	5	50

b) Weightage to the Objectives.

	<u>Objectives.</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	2	20
2.	Comprehension	5	50
3.	Application	3	30

c) Weightage to Question type.

	<u>Question type</u>	<u>Weightage</u>	<u>Percentage</u>
1.	Essay type	3	30
2.	Short answer type	4	40
3.	Objective type	3	30

Blue Print of the Question Paper.

<u>Objectives</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Form of Questions.										
Careless Use of Natural resources.	2 (1)			3 (1)						5
Proper Use of Natural resources.					2 (1)			3 (3)		5
TOTAL	2			3	2			3		10

Test - 9 Based on Unit II - 5

Std. VIII

Marks : 10

Sub : Science

Time : Min.

a) Weightage to Content.

<u>Areas</u>	<u>Weightage</u>	<u>Percentage</u>
1. Rapid deforestation	3	30
2. Ozone depletion and global warming	3	30
3. Uses of Ozone and harmful effects of its depletion.	4	40

b) Weightage to Objectives.

<u>Objectives</u>	<u>Weightage</u>	<u>Percentage</u>
1. Knowledge	7	70
2. Comprehension	3	30

c) Weightage to Question type.

<u>Question type</u>	<u>Weightage</u>	<u>Percentage</u>
1. Essay type	3	30
2. Short answer type	4	40
3. Objective	3	30

Blue Print of the Question Paper

<u>Objectives</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Form of Question.										
Rapid deforestation				3 (1)						3
Ozone depletion and global warning.		2 (1)	1 (1)							3
Uses of ozone and harmful effects of its depletion.		2 (1)	2 (2)							4
TOTAL	4	3		3						10

Test - 10 Based on Unit II

Std. VIII

Marks : 10

Sub : Science

Time : 35 Min.

a) Weightage to Content.

<u>Area</u>	<u>Weightage</u>	<u>Percentage</u>
1. Planned use of Natural resources.	10	10

b) Weightage to Objectives.

<u>Objectives.</u>	<u>Weightage</u>	<u>Percentage</u>
1. Knowledge	7	70
2. Comprehension	3	30

c) Weightage to Question paper.

<u>Question type</u>	<u>Weightage</u>	<u>Percentage</u>
1. Essay type	3	30
2. Short answer	4	40
3. Objective	3	30

Comprehensive Unit test based on Unit II

Std. VIII

Marks : 40

Sub : Science

Time : 1½ hrs.

a) Weightage to Content.

	<u>Area</u>	<u>Marks</u>	<u>Percentage</u>
1.	Uses of Natural resources.	7	17.5
2.	Types of Natural resources.	9	22.5
3.	Renewable and Non-renewable resources.	4	10
4.	Effects of wastage of Natural resources.	14	35
5.	Planned use of Natural resources.	6	15

b) Weightage to Objectives.

	<u>Objectives</u>	<u>Marks</u>	<u>Percentage</u>
1.	Knowledge	23	57.5
2.	Comprehension	14	35
3.	Application	03	7.5

c) Weightage to Question types.

	<u>Type of Questions</u>	<u>Marks</u>	<u>Percentage</u>
1.	Essay type	12	30
2.	Short answer type	12	30
3.	Objective type answer	16	40

Blue Print of the Question paper.

<u>Objectives</u>	<u>Knowledge</u>			<u>Comprehension</u>			<u>Application</u>			<u>Total</u>
	E	S	O	E	S	O	E	S	O	
Question type.										
Uses of Natural resources.			4 (3)	3 (1)						7
Types of Natural resources.			4 (4)	3 (1)	2 (1)					9
Renewable and Non-renewable resources.			1 (1)	3 (1)						4
Illeffects of wastage of Natural resources.	3 (1)	3 (1)	5 (5)	1 (1)						14
Planned use of Natural resources.		3 (1)					3 (1)			6
TOTAL	3	6	14	6	6	2	3	-	-	40