

**Rajiv Vidya Mission (SSA) A.P., Hyderabad**  
**Summative Assessment Test**  
**Model Paper**

**Name** : .....

**Roll No** : .....

**Time** : 2 ½ hrs

**Class** : VIII

**Subject** : Physical Sciences

Academic Standards	A.S.1	A.S.2	A.S.3	A.S.4	A.S.5	A.S.6	A.S.7	Overall Grade
No. Of Questions	8	4	2	2	2	1	1	
Grades								

**I. Conceptual Understanding:**

- How can we increase the food production? Name the methods.
- Describe the construction and working of a clinical thermometer?
- What are the differences between transverse waves and longitudinal waves?
- What is the difference between musical note and noise? Explain?
- Write the symbol/formulae of the following elements/compounds?
  - Sodium
  - Sodium bi carbonate
  - Mercury
  - Calcium carbonate
- How can hardness of water be removed?
- Explain the bleaching action of Sulphur Dioxide?
- State any four main differences between Physical and Chemical Changes?

**II. Posing Questions and making hypothesis**

- What changes occur in the medium while Sound waves are travelling thorough it?
- If you want to know the information regarding Zodiac signs, What questions do you ask your teacher? Write any five of them?
- Why is water used widely as coolant in industries?
- Write any five questions to get the information regarding the preparation, chemical reactions, and uses of Sulphuric acid?

### **III. Experimentation and field investigation:**

13. Define Archimedis Principle and describe an experiment to verify it?
14. What you have observed through the experiments that you have conducted in your Laboratory to study the action of heat on a) Zinc Oxide b) Potassium Nitrate  
c) Ammonium Chloride d) Copper carbonate

### **IV. Information skills and Projects**

15. Describe briefly about a project conducted by you on 'Our Universe'?
16. Write a report on purification of water for drinking purpose, which you have visited the water works in your city/town/village?

### **V. Communication through drawing and model making:**

17. Describe Calcaroni kilns with a diagram?
18. Draw the diagrams of Pipette and Burette?

### **VI. Appreciation and aesthetic sense and values**

19. A person in a circus walks on a rope carrying a long stick in his hands. An airplane, even though manufactured with metal flies in air. How can you appreciate the scientists and their work in formulating the principles to make the above possible?

### **VII. Application to daily life and concern to bio diversity:**

20. You have studied the uses of water. Describe some measures to preserve this natural resource for future use?

# Physical Sciences - 8<sup>th</sup> Class

## Weightage Table

<b>Syllabus: Up to December - 2012</b>										
S.No	Name of the Lesson	Month	Academic Standard							Total
			AS-I	AS-II	AS-III	AS-IV	AS-V	AS-VI	AS-VII	
1	Our Universe	June		1		1				2
2	Measurement	July								
3	Kinematics	Aug								
4	Dynamics	Aug								
5	Centre of Gravity and stability of bodies	Sept	1					1		2
6	Fluid Pressure	Oct			1					1
7	Heat	Nov	1							1
8	Waves	Nov	1							1
9	Sound	Dec	1	1						2
10	Light	Dec					1			1
11	Action of Heat on Substances	June	1		1					2
12	Symbols, Formulae and Equations	July	1							1
13	Types of Chemical Changes	Aug								
14	Laws of Chemical Combinations	Sept								
15	Water and its constituents	Oct	1	1		1			1	4
16	Sulphur and its compounds	Nov	1	1			1			3
<b>Total</b>			<b>8</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>20</b>