

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

Name : .....  
Roll No : .....

Time : 2 ½ hrs  
Class : VIII  
Subject : Bio Science

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	5	3	2	2	2	3	3	
Grades								

**I Conceptual Understanding:**

1. How can we increase the food production? Name the methods.
2. What are the differences between prokaryotes and eukaryotes?
3. How are hybrid plants produced?
4. Explain how domestication is beneficial to man and animals?
5. A) ..... is the pigment present in rods  
B) Lachrymal glands secrete ( )  
i) Sweat ii) Saliva iii) Tears iv) Acids  
C) Auditory meatus is covered by ..... Membrane  
D) Chemoreceptor's sense ( )  
i) Touch ii) Light iii) Sound iv) Chemicals

**II Questioning- making hypothesis**

6. Observe the changes occurred in the field of agriculture from the ancient times to the present. Predict and write the changes that would take place in the future?
7. What could be the difficulties faced in the absence of useful bacteria?
8. What questions would you like to ask your doctor to know the precautions of eye-care?

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

9. Write your observations from the experiment you have conducted about the existence of fungi?
10. Explain various stages which are involved in the preparation of compost ( Biofertilizee) in your school.

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

11. Write down your observations based on the data collected about different types and symptoms of diseases?
12. What are your conclusions based on the data collected about different food crops, Timber-Yielding crops, Jute-Producing crops in your surroundings.

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

13. Draw and label the diagrams of paramecium and chlamydomonas?
14. Draw the diagram which shows various stages of life cycle of the silk worm?

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

15. How do you appreciate the role of biology in human health and diseases?
16. "Micro-Organisms influence the human life" – Comment?
17. Biological control of pests is superior to chemical control. How can you support it?

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

18. What are the problems created when we increase the land area for agriculture?
19. What measures do you take to avoid diseases?
20. What are the changes that occur in the biosphere on killing of snakes? What are we supposed to do?

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

## Weight age Table

Syllabus: Up to December – 2012									
S.No	Name of the Lesson	Academic Standard							Total
		AS-I	AS-II	AS-III	AS-IV	AS-V	AS-VI	AS-VII	
1	History and Scope of Science	1				1	1	1	04
2	Microbial World	1	1	2	1	-	1	1	07
3	Useful Plants and Animals	2	1	-	1	1	1	1	07
4	The Human Body and Health	1	1	-	-	-	-	-	02
<b>Total</b>		<b>05</b>	<b>03</b>	<b>02</b>	<b>02</b>	<b>02</b>	<b>03</b>	<b>03</b>	<b>20</b>