

Andhra Pradesh Class 7

General Science

Question Paper

Name :
Roll No :

Time : 2 ½ hrs
Class : VII
Subject : General 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. Make a list of food items that contain all compounds of food?
2. In What way is knitting different from weaving?
3. While constructing a house, where do we construct ventilators? Why?
4. Write the examples of multiple images formed in your daily life?
5. Match the following:
 - i) Cell () a) Used to open or close a circuit
 - ii) Switch () b) Safety device used in electric circuit
 - iii) Circuit () c) A complete path for the flow of electric current
 - iv) Fuse () d) Advice which converts CE in to EE

II. Asking Questions and Making Hypothesis

6. What aspects should you observe to know and predict the weather of your village?
7. Interview eye witness to collect the actual experiences of people affected by a cyclone?
8. Do you agree with van Helmont? If nutrients absorbed by plants from soil is equal to the mass of plant/tree what will happen? Think and write your hypothesis?

III. Experimentation and field Investigation

9. Describe the experiment conducted in the class room for the preparation of natural indicators with flowers.
10. Write components of your observation about the experiment to prove the expansion of air on heating?

IV. Information Skills and Projects

11. Distances travelled by a car different instances of time are given in the following table

Time in minutes	Distance Travelled
0	0 Km
10	15 Km
20	25 Km
30	38 Km
40	60 Km

- i) What is the total distance travelled by a car?
- ii) What is the total time taken by the car for the journey?
- iii) Is the velocity of the car uniform throughout the journey?
- iv) In which instances of the time did the car travelled larger distances?
- v) What is the distance travelled by the car in first 10 minutes?

12. Write your observations about the usage of electricity based on details of meter readings collected by you from your friend's houses?

V. Communication through drawing and model making

13. Draw the diagram of life cycle of silk worm and name all stages.
14. Draw the electric circuit diagram consisting of a cell, bulb and an electric switch.

VI. Appreciation and aesthetic sense and values

15. Prathima said 'Heat is a form of energy. How do you support her?
16. How will you help your neighbors in case cyclone approaches your village?
17. Army people can see their enemies while hiding themselves with the help of periscopes. How do you appreciate the use of periscope for their security?

VII. Application to daily life and concern to bio diversity

18. Geethika said, The whole world seems as stopped if there is no electricity. Write the reason for her thinking.
19. Imagine that all the houses in your street have elevation with mirrors. Is it difficult for birds to live or fly in that street? Why?
20. How can you say saprophytes help us in keeping the environment clean?

Science -Seventh Class
Weight age Table

Syllabus: Up to November 2012										
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	Food and components	June	1							1
2	Acids and Bases	July			1					1
3	Animal Fibre	July	1				1			2
4	Motion and Time	Aug			0	1				1
5	Temperature and its measurement	Aug						1		1
6	Weather and Climate	Sept		1						1
7	Electricity	Sept	1		1	1	1		1	5
8	Air, Winds and Cyclones	Oct	1	1				1		3
9	Reflection of Light	Nov	1					1	1	3
10	Nutrition in Plants	Nov		1					1	2
Total			5	3	2	2	2	3	3	20