

**SAINIK SCHOOL AMBIKAPUR
CHHATTISGARH
WINTER VACATION HOMEWORK (2022-23)**

Class : VIII

Subject : SCIENCE

Class	Subject	Teacher
Ser	Items	Details
1.	Syllabus for PA/PT - II	<ol style="list-style-type: none"> Chapter 7: Conservation of plants and animals. Chapter 9: Reproduction in animals. Chapter 10: Reaching the age of adolescence
2.	Revision Homework / Assignment	<ol style="list-style-type: none"> Write notes on— (a) Adam's apple. (b) Secondary sexual characters. (c) Sex determination in the unborn baby. What are sex hormones? Why are they named so? State their function. What is metamorphosis? Give examples. Differentiate between internal fertilisation and external fertilisation. Explain how deforestation leads to reduced rainfall. Find out about national parks in your state. Identify and show their location on the outline map of India. Why should paper be saved? Prepare a list of ways by which you can save paper.
3.	Subject Capacity Building Assignment	<ol style="list-style-type: none"> Study the biodiversity of a park nearby. Prepare a detailed report with photographs and sketches of the flora and fauna. Make a list of the new information you have gathered from Chapter 7: Conservation of plants and animals. Which information did you find the most interesting and why? Visit a poultry farm. Talk to the manager of the farm and try to find out the answers to the following. (a) What are layers and broilers in a poultry farm? (b) Do hens lay unfertilised eggs? (c) How can you obtain fertilised and unfertilised eggs? (d) Are the eggs that we get in the stores fertilised or unfertilised? (e) Can you consume fertilised eggs? (f) Is there any difference in the nutritional value of fertilised and unfertilised eggs? In our country, according to 2011 census, there are 940 adolescent females for every 1000 males. Find out. (a) The concerns of the community regarding this low ratio. Remember that the chance of having a boy or a girl is equal. (b) What amniocentesis is and how useful this technique is. Why is its use for identification of sex of the unborn child banned in India?
4.	Preparatory Work for Units/ Chapters to be covered after	<ol style="list-style-type: none"> Open a water tap. Adjust the flow so that it forms a thin stream. Charge a refill. Bring it near the water stream. Observe what happens. Write a short report on the activity. Describe an activity to show that the incident ray, the reflected ray and the normal at the point of incidence lie in the same plane

Signature