



SANT NANDLAL SMRITI VIDYA MANDIR

SYLLABUS - CLASS – X
SESSION – 2026 – 27
SUBJECT - BIOLOGY



MONTH	WD	PERIODS	TOPIC TO BE TAUGHT	ACTIVITIES	LEARNING OUTCOME	VALUES IMPARTED
April	23	10	Ch-6 LIFE PROCESSES Introduction of the chapter, nutrition in plants Nutrition in human beings Respiration Revision +periodic test-1	1.To prepare a temporary mount of leaf peel to show stomata 2.To draw a diagram of the digestive system and the respiratory system	1.Students will identify sources of nutrients for plants 2.students will contrast about photosynthesis 3.students will understand about the term respiration 4.they will come to know about respiration in plants and respiration in animals	1.Health and hygiene 2.Awareness about digestive system 3.Responsibility toward food products we consume
May	08	3	Ch-6-life processes (continued) Transportation in human beings	3.To show experimentally that light is necessary for photosynthesis 4. Make a model of the double circulation	1.Explain the respiratory organs, mechanism of respiration and some common respiratory disorder in human beings	1.Reponsibility 2.Awareness about circulatory system
June	11	5	Transportation in plants Excretion Excretion continued	4.To make a flow chart showing different life processes in a diagrammatic form	1.Differentiate between the process of transportation and excretion taking place in plants and animals.	3.Values of hard work and working continuously



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July	26	12	Ch-7-control and Coordination Introduction of the chapter animal nervous system Reflex action ,human brain Nervous tissues action Revision + periodic test-2	5.To make a flow chart explaining the different types of plant movements	1.To explain nervous system in human beings 2.Describe reflex action 3.Locate the major endocrine glands in human body 4.Discuss action caused by the nervous system	1.Continues work 2.team work 3.fast and perfect work 4.Responsibility
August	23	12	Coordination in plants Movement due to growth Hormones in animals Hormones in animals	6.To show experimentally that carbon dioxide is given out during respiration	1.Recall coordination in plants 2.Discuss various tropic movements in plants	1.Responsibility 2.Ready to act attitude 3.Integrity 4.Commitment
Sept.	23	6	Revision + half yearly exam Ch-8-how do organisms Reproduce Introduction of the chapter Aexual reproduction in organisms	7.To study binary fission in amoeba and budding in yeast with the help of prepared slides 8.To prepare a chart showing different methods of asexual reproduction	1.To develop scientific awareness among the students about reproduction in living organism	1.values of individuality 2.uniqueness 3.social responsibility 4.contribution to future generation



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Oct.	16	6	Sexual reproduction in plants and animals (Human beings) Reproductive health Needs and methods of family planning HIV AIDS	9. To study a flower to understand its parts 10.To identify the different parts of an embryo of a dicot seed (pea, gram or red kidney bean)	1.To aware the students about different parts of organism related to reproduction 3.To develop the interdisciplinary approach to study reproduction in different organism 4.To make students aware about their surroundings and environment	5.Awareness about reproductive health 6.Equality among male and female
Nov.	19	10	Ch-9-HEREDITY AND EVOLUTION Introduction of the chapter, Mendel's laws of inheritance Sex determination.	11.To write and explain the three laws of Mendel through a punnet square in a file	1.Discuss DNA as the genetic material 2.Explain Mendel's laws of inheritance 2.Express the mechanism of sex determination	1.Integrity 2.uniqueness 3.Importance of genes 4.importance of artificial selection over natural selection
Dec.	19	6	Ch-15- our environment Introduction of the chapter , ecosystem Food chain, food web Waste management +revision	12. draw at least 5 different food chains and connect them to form a food web	1.Explain the various types of waste being added to the environment 2.Classify the various components and their interrelationship in an ecosystem 3.Analyse reasons for ozone depletion	1.Social responsibilities towards environment 2.Awareness toward clean and green environment 3.Collaborative work 4.Responsibility toward controlling pollution
Jan.	20	12	REVISION & PRE BOARD			