NAVY CHILDREN SCHOOLS

SPLIT-UP OF SYLLABUS (2024-25)

SUBJECT: BIOLOGY THEORY **CLASS:XII**

SNO	MONTH	UNIT	CHAPTERS
1	April/June	Reproduction	2. Sexual reproduction in flowering plants 3. Human reproduction
2	July/August	Genetics & Evolution	5. Principles of inheritance & Variation 6. Molecular basis of Inheritance
3	August/September	Reproduction Evolution	4. Reproductive health 7. Evolution
4	September	**Revision and Half-yearly exam**	
5	October /November	Biology and human welfare Ecology & Environment Biotechnology	8. Human health and disease 10. Microbes in human welfare 11. Biotechnology: Principles and processes 12. Biotechnology & its applications
6	October/ November	Ecology & Environment	13. Organisms & populations 14. Ecosystem 15. Biodiversity & conservation
7	December	**Revision and Pre-boards**	

NAVY CHILDREN SCHOOL

SPLIT-UP OF SYLLABUS (2024-25)

SUBJECT: BIOLOGY PRACTICAL **CLASS:XII**

SNO	MONTH	EXPERIMENTS/SPOTTERS
1	April/June	1 .Flowers adapted to pollination by different agencies. 2. Observe pollen grains on stigma through permanent slide. 3. To Prepare a temporary mount to observe pollen germination. 4. Identify different stages of gamete development-T.S of ovary & testis. 5. To observe the T.S of Blastula though a permanent slide.
2	June/July	6. Study Mendelian inheritance using seeds of different colours/size. 7. To study prepared pedigree charts of any one- Widow's peak/ rolling of tongue/ blood groups/colour blindness/earlobes. 8. To prepare a temporary mount of Onion root tips to study mitosis.
3	August	9. Flash card model showing homologous and analogous organs **10.** To study controlled pollination-emasculation,tagging,bagging 11. Common disease causing organisms: Ascaris, Entamoeba,Plasmodium & any fungus causing ringworm.
4	September	**Revision and Half-yearly exam**
5	October	12.Study plant population density by Quadrat method. 13.Study plant population frequency by Quadrat method 14. To isolate DNA from available plant material.
6	November	15. Model specimen showing symbiotic association