

NAVY CHILDREN SCHOOLS
SPLIT-UP OF SYLLABUS (2024-25)

SUBJECT: BIOLOGY THEORY

CLASS: XI

SNO	MONTH	CHAPTERS
1	June/July	1. Living world 2. Biological Classification 17. Breathing & exchange of gases
2	August/September	3. Plant Kingdom 13. Photosynthesis in higher plants 14. Respiration in plants 7. Structural Organisation of animals
3	September	Revision and Half-yearly exam
4	October	4. Animal Kingdom 18. Body fluids & circulation 8. Cell: Unit of life 10. Cell cycle & cell division
5	November	9. Biomolecules 19. Excretory products & their elimination 20. Locomotion & movement
6	December/January	5. Morphology of flowering plants 6. Anatomy of flowering plants 21. Neural control & coordination
8	February	Revision and annual exam

NAVY CHILDREN SCHOOL
SPLIT-UP OF SYLLABUS (2024-25)

SUBJECT: BIOLOGY PRACTICAL

CLASS: XI

SNO	MONTH	EXPERIMENTS/SPOTTERS
1	June/July	1. Parts of a compound microscope 2. Specimens/models: Bacteria, Oscillatoria, Siprogyra, Rhizopus, Mushroom, Yeast, Liverwort, moss, fern, pinus, a monocot plant, a dicot plant, Lichen etc 3. Specimens/slides/model: Amoeba, Hydra, Liver fluke, Ascaris, Leech, Earth worm, Prawn, Silk worm, Honey bee, Snail, Starfish, Shark, Rohu, Frog, Lizard, Pigeon, Rabbit etc
2	August	4. To study rate of respiration in germinating seeds 5. To study distribution of stomata in the upper and lower surface of leaves. 6. Separation of pigments by paper chromatography 7. Study of transpiration
3	September	Revision and Half-yearly exam
4	October	8. Study Mitosis through permanent slides 9. Osmosis by potato Osmometer. 11. To study Plasmolysis
5	November	12. 10. Tests for- Sugar, starch, proteins & fats in plant and animal materials 13. Tests for – Urea, sugar, albumin & bile salts in Urine 14. Human skeleton and types of joints
6	December	15. To study types of inflorescences 16. Study of locally available flowering plants, each from Solanaceae including the dissection and display of floral whorls, to write their floral formula & draw their floral diagram. 17. To study TS of dicot & monocot stem & root