

SYLLABUS- XI (2010-2011)

COURSE STRUCTURE

CLASS XI (Theory)

Time: 3 Hours

One Paper

Marks: 70

Unit	Marks
1. Diversity in living world	07
2. Structural organization in animals and plants	12
3. Cell: Structure and function	15
4. Plant physiology	18
10. Human Physiology	18
Total	70

Prepared by:-

1 .Mrs. Rita Talwar (PGT, Biology)

R. P. V. V., Lajpat nagar

2. Ms. Poonam Anand (PGT, Biology)

R.P.V.V. Tyagraj nagar

S NO.	WEEK	DAYS	SUB-TOPICS
1	26-6-10 & 28-6-10 to 3-7-10	1+6	UNIT -1 Diversity in living world Diversity of living organism classification of the living organisms (five kingdom classification, major groups and principles of classification within each kingdom).Systematic and binomial system of nomenclature viruses, viroids, lichens Botanical gardens, herbaria, zoological parks and museums.
2	5-7-10 to 9-7-10	5	Salient features of plat (major groups; Angiosperms up to class) classification.
3	12-7-10 to 17-7-10	6	Plant classification (contd) Salient features of animal (non-chordates up to phylum level and chordates up to class level)
4	19-7-10 to 24-7-10	6	Animal classification contd
5	26-7-10 to 31-7-10	6	Morphology of flowering plants Root, Stem, Leaf , Inflorescence, Flower, Fruit & seed
6	2-8-10 to 7-8-10	6	Morphology of flowering plants (contd) Semitechnical description of flower & some important families . anatomy of flowering plants: the tissues. The tissue system.

7	9-8-10 to 13-8-10	5	Anatomy of flowering plants (contd). anatomy of dicot & monocot plants . secondary growth .
8	16-8-10 to 21-8-10	6	Structural organization in animals- animal tissues , organ & organ system.
9	23-8-10 to 28-8-10	6	Structural organization in animals (contd) . Earthworm, cockroach & frog.
10	30-8-10 to 4-9-10	5	CELL: STRUCTURE AND FUNCTION Cell: cell theory; Prokaryotic and Eukaryotic cell, cell wall, cell membrane and cell organelles (plastids, mitochondria, endoplasmic reticulum, vacuoles, centrioles) and nuclear organization.
11	6-9-10 to 10-9-10	4	08-09-10 – I C C E P. Golgi bodies/dictyosomes, ribosome, lysosomes.
12	13-9-10 to 20-9-10		I Term Exam.
13	21-9-10 to 25-9-10	5	Discussion of I term paper basic chemical constituents of living bodies. Structure and functions of carbohydrates, proteins, lipids
14	27-9-10 to 30-9-10	4	Nucleic acids. Enzymes: type, properties and function.
	1-10-10 to 17-10-10	Autumn Break	
15	18-10-10 to 23-10-	5	Cell cycle. Mitosis.

	10		
16	25-10-10 to 30-10-10	6	Meiosis.
17	1-11-10 to 6-11-10	5	Plant physiology:- Transport in plants .
18	8-11-10 to 12-11-10	5	Transport in plants. (contd) mineral nutrition.
19	15-11-10 to 20-11-10	5	Mineral nutrition (contd)
20	22-11-10 to 27-11-10	6	Photosynthesis in higher plants
21	29-11-10 to 4-12-10	6	Photosynthesis (contd) .Respiration in plants upto TCA cycle.
22	6-12-10 to 10-12-10	4	10-12-10 II CCEP
			Respiration in plants (contd)
	13-12-10 to 22-12-10	II terms Exams.	
23	23-12-10 to 24-12-10	2	Discussion of ii term Q paper Plant growth & development, growth
	27-12-10 to 07-01-11	Winter break	
24	10-1-11 to 15-1-11	6	Plant growth & development contd .
25	17-1-11 to 22-1-11	6	Human Physiology .Digestion and absorption. Breathing and exchange of gases.
26	24-1-11 to 29-1-11	5	Breathing and exchange of

			gases.contd. Body fluids and circulation.
27	31-1-11 to 5-2-11	6	Excretory products and elimination. Locomotion and movement.
28	7-2-11 to 11-2-11	5	Locomotion and movement contd. Chemical coordination and regulation.
29	14-2-11 to 19-2-11	6	Neural control and coordination.
30	21-2-11 to 28-2-11		Revision & final terms Exam.
31	1-3-11 to 31-3-11		Home Exam.