

**N. C. JINDAL PUBLIC SCHOOL
PUNJABI BAGH, NEW DELHI
ANNUAL CURRICULUM 2024-25**

Class : XII		Subject : Biology		Subject Teacher (Prepared by): Menka Garg		Designation: P.G.T	
Syllabus Topic	Academic Book	Chapter's Name	Chapter Topic / Sub Topic	TERM	Start Date	End Date	No.of Periods
Reproduction	Biology NCERT	Ch 1 Sexual Reproduction in flowering	Development of male and female gametophytes	I	01-04-2024	06-04-2024	6
	Class XII		Pollination, outbreeding devices, double fertilization apomixis, polyembryony	I	08-04-2024	12-04-24	4
		Ch 2 Human Reproduction	Gametogenesis, menstrual cycle, embryonic development	I	15-04-2024	19-04-24	4
			Pregnancy and placenta formation	I			
			Parturition. Lactation	I			
Genetics and		Ch 3 Reproductive Health	Population explosion, birth control, MTP, STD's	I	22-04-2024	26-04-24	5
	Evolution	Chapter 4 Principles of Inheritance and Variation	Mendel's Laws, Monohybrid cross,	I	29-04-2024	03-05-24	5
dihybrid cross, mutation, Sex determination, recombination, crossing over, mendelian disorders			I	06-05-2024	10-05-24	5	
		Ch 5 Molecular Basis of inheritance	DNA, RNA world, replication,	I	01-07-2024	06-07-24	6
			transcription, genetic code, translation	I	08-07-2024	12-07-24	5
		Ch 6 Evolution	Origin of life, adaptive radiation, evolution	I	15-07-2024	20-07-24	5
			natural selection, Hardy-Weinberg's principle	I	22-07-2024	26-07-24	5
Biology in		Ch 7 Human Health and disease	common diseases, immunity,	I	29-07-2024	03-08-24	6
Human Welfare			AIDS, cancer, drugs, alcohol abuse	I	05-08-2024	09-08-24	5
		Ch 8 Microbes in Human Welfare	Microbes in household products, sewage treatment	I	12-08-2024	17-08-24	5
			bio-control and bio-fertilizer	I	20-08-2024	23-08-24	4

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Subject Co-ordinator : Menka Garg _____ Sign _____

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Syllabus Topic	Academic Book	Chapter's Name	Chapter Topic / Sub Topic	TERM	Start Date	End Date	No.of Periods
Biotechnology	Biology NCERT	Ch 9 Biotechnology:	Principles of biotechnology,	I	27-08-2024	31-08-2024	5
	Class XII	Principles and Processes	tools of biotechnology, rDNA technology	I	02-09-2024	06-09-2024	5
		Ch 10 Biotechnology	Applications in Agriculture, in medicine	I	09-09-2024	13-09-2024	4
		and its applications	Transgenic animals,ethical issues,bio piracy and patents	I	17-09-2024	21-09-2024	5
Ecology		Ch 11 Organisms and Populations	Organism and its environment	I	23-09-2024	27-09-2024	4
			Attributes of population				
		Ch 12 Ecosystem	Structure and function, productivity	II	01-10-2024	05-10-2024	4
			Decompostion, Energy Flow, Ecological pyramids	II	07-10-2024	09-10-2024	3
		Ch 13 Biodiversity and conversation	Levels of biodiversity	II	14-10-2024	19-10-2024	5
			Biodiversity conservation	II	21-10-2024	25-10-2024	5
			Revision	II	04-11-2024	19-11-2024	10
			Pre Board I	II	20-11-2024	02-12-2024	
			Pre Board II	II	17-12-2024	30-12-2024	

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Periodic Test/Half Yearly/Annual Marking Scheme: 2024-2025

Class :	XII	Subject : Biology	
Sl.No.	PT /Half Yearly/Pre Board	Chapter/Topic	Max. Marks
1	PERIODIC TEST I	Ch1: Sexual reproduction in flowering plants	7
		Ch2: Human reproduction	7
		Ch 3 Reproductive Health	6
		Total	20
2	PERIODIC TEST II	Ch 4 Principles of inheritance and Variation	10
		Ch-5 Molecular Basis of Inheritance	10
		Total	20
3	PERIODIC TEST III	Ch 6 Evolution	10
		Ch 7 Human Health and disease	10
		Ch 8 Microbes in Human Welfare	10
		Ch 9 Biotechnology: Principles and Processes	10
		Total	40
4	PRE BOARD I and PRE BOARD II	Unit VI Reproduction	16
		Unit VII Genetics and Evolution	20
		Unit VIII Biology and Human Welfare	12
		Unit IX Biotechnology and its Applications	12
		Unit X Ecology and Environment	10
		Total	70

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