

**N. C. JINDAL PUBLIC SCHOOL  
PUNJABI BAGH, NEW DELHI  
ANNUAL CURRICULUM 2023-24**

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	01-04-2023	01-04-2023	1
	Class XII		Pollination, outbreeding devices, double fertilization	I	03-04-2023	06-04-23	3
			apomixis, polyembryony	I			
		Ch 2 Human Reproduction	Gametogenesis, menstrual cycle, embryonic development	I	10-04-2023	15-04-23	5
			Pregnancy and placenta formation	I			
			Parturition. Lactation	I			
		Ch 3 Reproductive Health	Population explosion, birth control, MTP, STD's	I	17-04-2023	21-04-23	5
Genetics and		Chapter 4 Principles of Inheritance and Variation	Mendel's Laws, Monohybrid cross,	I	24-04-2023	28-04-23	5
Evolution			dihybrid cross, mutation, Sex determination,	I	01-05-2023	06-05-23	5
			recombination, crossing over, mendelian disorders	I	08-05-2023	12-05-23	5
		Ch 5 Molecular Basis of inheritance	DNA, RNA world, replication,	I	15-05-2023	18-05-23	4
			transcription, genetic code, translation	I	01-07-2023	07-07-23	6
		Ch 6 Evolution	Origin of life, adaptive radiation, evolution	I	10-07-2023	16-07-23	6
			natural selection, Hardy-Weinberg's principle	I	17-07-2023	21-07-23	5
Biology in		Ch 7 Human Health and disease	common diseases, immunity,	I	24-07-2023	28-07-23	5
Human Welfare			AIDS, cancer, drugs, alcohol abuse	I	31-07-2023	05-08-23	6
		Ch 8 Microbes in Human Welfare	Microbes in household products, sewage treatment	I	07-08-2023	11-08-23	5
			bio-control and bio-fertilizer	I	14-08-2023	18-08-23	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	21-08-2023	25-08-2023	5
	Class XII	Principles and Processes	tools of biotechnology, rDNA technology	I	28-08-2023	02-09-2023	5
		Ch 10 Biotechnology	Applications in Agriculture, in medicine	I	04-09-2023	08-09-2023	4
		and its applications	Transgenic animals,ethical issues,bio piracy and patents				
			Revision		11-09-2023	14-09-2023	4
			Half Yearly Exam		15-09-2023	30-09-2023	
Ecology		Ch 11 Organisms and Populations	Organism and its environment	II	03-10-2023	06-10-2023	4
			Attributes of population	II	09-10-2023	13-10-2023	5
		Ch 12 Ecosystem	Structure and function, productivity	II	16-10-2023	19-10-2023	4
			Decomposition, Energy Flow, Ecological pyramids	II	25-10-2023	27-10-2023	3
		Ch 13 Biodiversity and conversation	Levels of biodiversity	II	30-10-2023	03-11-2023	4
			Biodiversity conservation	II	06-11-2023	10-11-2023	5
			Revision	II	16-11-2023	21-11-2023	5
			Pre Board I		22-11-2023	02-12-2023	
			Pre Board II		20-12-2023	30-12-2023	

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**Periodic Test/Half Yearly/Annual Marking Scheme: 2023-2024**

<b>Class :</b>	<b>XII</b>	<b>Subject : Biology</b>	
<b>Sl.No.</b>	<b>PT /Half Yearly/Pre Board</b>	<b>Chapter/Topic</b>	<b>Max. Marks</b>
1	<b>PERIODIC TEST I</b>	Ch1: Sexual reproduction in flowering plants	10
		Ch2: Human reproduction	10
		<b>Total</b>	<b>20</b>
2	<b>PERIODIC TEST II</b>	Ch 3 Reproductive Health	6
		Ch 4 Principles of inheritance and Variation	7
		Ch-5 Molecular Basis of Inheritance	7
		<b>Total</b>	<b>20</b>
3	<b>HALF YEARLY EXAM</b>	Unit VII Genetics and Evolution	30
		Unit VIII Biology in Human Welfare	20
		Unit IX Biotechnology	20
		<b>Total</b>	<b>70</b>
4	<b>PRE BOARD I</b>	Unit VI Reproduction	16
		Unit VII Genetics and Evolution	20
		Unit VIII Biology and Human Welfare	12
		Unit IX Biotechnology	12
		Unit X Ecology and Environment	10
		<b>Total</b>	<b>70</b>
5	<b>PRE BOARD II</b>	Unit VI Reproduction	16
		Unit VII Genetics and Evolution	20
		Unit VIII Biology and Human Welfare	12
		Unit IX Biotechnology	12
		Unit X Ecology and Environment	10
		<b>Total</b>	<b>70</b>

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