

Km. Mayawati Govt. Girls P.G. College, Badalpur, G.B. Nagar

Dept of Zoology: IVth Semester : Specializations-Cytology and cytogenetics

Assignments: M.Sc.-IVth March 2022- May-2022

Presentation Time: 2.30 PM

Instructions for assignments

- Mark of Each Assignment: 5 (Deduction of Marks: 1 mark deducted for Late Submission and 1 for late personation.)
- All student presentation recorded online and uploaded on college YouTube account. Project and Youtube-5 Marks
- Presentation mode (online/offline) will be update before presentation date depending upon COVID19 situations.
- Upload your assignment to google classroom within due date also YouTube link of your vedio (<https://classroom.google.com/c/NDgyNzMyODc0NTA4?cjc=6xcdrbh>)
- Submit your project to Dr. Azmi Naqvi, Dr. Naqvi allotted Project supervisor with consultation of HOD and faculty upto 15th April 2022
- Send your YouTube link to Dr. Azad Alam Siddique . Dr. Azad will complie link of all students and submit it to HOD by 15th May 2022.
- Teacher will revert your evaluated assignments and internals by email, you can check and raise your point of view (if any) within one week, after that marks will be uploaded.
- Tentative date of internals: 15th April to 15th May 2022. Final dates will share you in group.

Class Roll No	Course Title	Course XIII D : H-7062 Advanced cell biology			Course XIV D : H-7063 Chromosome and Genomic organization			Course XV D : H-7064 Genomic analysis, Immuno-genetics			Course XVI D : H-7065 Human and Microbial cytogenetics and Mole. biology			Publication based on Project work
		<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			Each student submit their research paper to
	Evaluator→	<i>Dr. Dinesh C. Sharma & Dr. Azmi Naqvi</i>			<i>Dr. Surender Kumar & Dr. Azmi Naqvi</i>			<i>Smt. Neetu Singh & Dr. Azad Alam Siddique</i>			<i>Dr. Dinesh C. Sharma & Miss Sumbul Zehra</i>			<ul style="list-style-type: none"> • Dr. Surender Kumar (Roll No-9 to 22) • Smt. Neetu Singh (Roll No-15-18) • Dr. Azad Alam Siddique (Roll No-11 to 14) • Dr. Azmi Naqvi (Roll No-6 to 10) • Miss. Sumbul Zehra (Roll No-1 to 5)
	NAME OF STUDENTS	Topic	Submission Last date	Presentation Last Date	Topic	Submission Last date	Presentation Last Date	Topic	Submission Last date	Presentation Last Date	Topic	Submission Last date	Presentation Last Date	by 15 April and it should be send for publication by 31 st April. Joint project as joint publication
1	ARPANA RATHOUR	Circadian rhythms in cells	26-3-22	1-4-22	Ultrastructure: Nucleosome and solenoid model, nuclear scaffold	11-4-22	15-4-22	C-value paradox	18-4-22	22-4-22	Molecular anatomy of eukaryotic chromosomes	2-5-22	6-5-22	Poly Cystic Ovarian Disease (PCOD) among NCR women
2	AYUSHI UPADHYAY	Membrane transport, cell to cell communication and its importance	26-3-22	1-4-22	Molecular structure of telomeres	11-4-22	15-4-22	detailed account of various models of prokaryotic genomes	18-4-22	22-4-22	Metaphase chromosome, centromere, kinetochore, telomere and its maintenance	2-5-22	6-5-22	Chemical fertilizer Vs organic fertilizer
3	CHHAVI GULATI	Transmembrane proteins and receptors	26-3-22	1-4-22	Reassociation kinetics and “Cot” curves	11-4-22	15-4-22	Transposable elements in prokaryotes and eukaryotes and its role in genetic regulation	18-4-22	22-4-22	Heterochromatin and Euchromatin	2-5-22	6-5-22	Impact Assessment of family food handling behaviors and foodborne acute gastroenteritis
4	DOLLY KARDAM	Signal transduction pathways	26-3-22	1-4-22	Molecular structure of an eukaryotic gene	11-4-22	15-4-22	Genome analysis- Microbial genomes, <i>Drosophila</i> , yeast	18-4-22	22-4-22	Techniques in human chromosome analysis- molecular cytogenetics approach	2-5-22	6-5-22	A survey on Rain water harvesting

5	JYOTI SHARMA	Cell adhesion and cell functions	26-3-22	1-4-22	Molecular structure of euchromatin and heterochromatin	11-4-22	15-4-22	Automated Karyotyping	18-4-22	22-4-22	Giant Chromosome: Polytene & Lamp brush Chromosome	2-5-22	6-5-22	Music medicine: A Neurobiological Based Survey
6	KM ANJU	Hierarchy in organization of cells	26-3-22	1-4-22	Significance of fluctuations in genomic DNA content	11-4-22	15-4-22	Chromosome banding and chromosome painting	18-4-22	22-4-22	Heterokaryon-selecting hybrids and chromosome segregation	2-5-22	6-5-22	Cancer Cases in Bhagalpur and Adjacent areas
7	KM ARCHNA GAUD	Prokaryotic and eukaryotic genome	26-3-22	2-4-22	rDNA amplification	11-4-22	16-4-22	Molecular analysis of genomic DNA in yeast	18-4-22	23-4-22	Techniques in human chromosome analysis-molecular cytogenetics approach	2-5-22	7-5-22	Chemical fertilizer Vs organic fertilizer
8	KM JAYLALITA	Regulation of gene expression	26-3-22	2-4-22	Kinetochores and centromere	11-4-22	16-4-22	Construction of a restriction map	18-4-22	23-4-22	Numerical and structural abnormalities of human chromosome – syndromes	2-5-22	7-5-22	Cancer Cases in Badalpur and Adjacent areas
9	KOMAL - PL	Flow cytometry	26-3-22	2-4-22	Chromosomal organization of genes and non-coding DNA	11-4-22	16-4-22	Restriction fragment length polymorphism (RFLPs)	18-4-22	23-4-22	Transcription in prokaryotic and eukaryotic cell	2-5-22	7-5-22	Are we ready for next Pandemic-Survey and Review
10	KOMAL - RC	Ageing in cells	26-3-22	2-4-22	Mobile DNA	11-4-22	16-4-22	Choice of mapping population	18-4-22	23-4-22	Human genetics	2-5-22	7-5-22	Does Offline Education has an Edge over Online Education-A Survey
11	MANTASHA SAIFI	Necrosis and apoptosis	26-3-22	2-4-22	Amphibians: Serial nuclear transplants	11-4-22	16-4-22	Southern and fluorescence in situ hybridization for genome analysis	18-4-22	23-4-22	RNA & DNA polymorphisms	2-5-22	7-5-22	Does Online Education has an Edge over Offline Education-A Survey
12	NISHA	Tag polymerase production	26-3-22	2-4-22	Morphological and functional elements of eukaryotic chromosomes	11-4-22	16-4-22	Molecular markers in genome analysis	18-4-22	23-4-22	DNA damage and repair	2-5-22	7-5-22	Effect of Meditation on mental and physical Health
13	PAKHI SAGAR	Cytology of flora and fauna of thermophilic areas	26-3-22	4-4-22	Concept of totipotency vis-a-genome constancy	11-4-22	18-4-22	Molecular markers linked to disease genes	18-4-22	25-4-22	DNA replication in prokaryotic and eukaryotic cell	2-5-22	13-5-22	Impact Assessment of Music on Healing Power
14	POOJA BHATI	Cloning	26-3-22	4-4-22	Genetic regulation of cell division in eukaryotes	11-4-22	18-4-22	Applications of RFLP in forensics, disease diagnosis, genetic counselling, germplasm maintenance and toxinomy	18-4-22	25-4-22	Cytogenetics implications and consequences of structural changes and numerical alterations of chromosomes	2-5-22	13-5-22	Integrative Medicine System Based on Music

15	PREETI	DNA sequencing	26-3-22	4-4-22	Molecular basis of cellular check points	11-4-22	18-4-22	Immunoglobulin gene structure	18-4-22	25-4-22	Genetics of cell cycle and cyclin independent kinases	2-5-22	13-5-22	Exploring Livelihood generation in Rural areas using Science and Technology
16	PRIYA	FISH	26-3-22	4-4-22	Molecular basis of neoplasia	11-4-22	18-4-22	Multigene organization of Ig genes	18-4-22	25-4-22	Cytogenetic effects of ionizing and non-ionizing radiation	2-5-22	13-5-22	Mensuration Cycle is Scientific Fact not a Social Taboo-A Survey
17	SANCHITA CHAUHAN	GISH	26-3-22	4-4-22	Conversion of proto-oncogenes into oncogenes	11-4-22	18-4-22	Mechanisms of DNA rearrangements and generation of antibody diversity	18-4-22	25-4-22	Bacterial transformation, transduction, conjugation, bacterial chromosome	2-5-22	13-5-22	Impact Assessment of overuse of Antibiotics
18	SANGAM NAGAR	RFLP in forencis	26-3-22	5-4-22	sex linked master control genes and autosomal regulatory genes	11-4-22	19-4-22	DNA rearrangements and expression of T-cell receptors	18-4-22	26-4-22	DNA synthesis	2-5-22	14-5-22	Corona Vaccine Mandate Vs Religious Belief
19	SHIVANI CHAWLA	RFLP in disease diagnosis	26-3-22	5-4-22	Sex determination and sex differentiation in mammals	11-4-22	19-4-22	Genetic screening, prenatal diagnosis and genetic counseling	18-4-22	26-4-22	Bacteriophage: Types, structure and morphology of T4phage, morphogenesis	2-5-22	14-5-22	Impact Assessment of family food handling behaviors and foodborne acute gastroenteritis
20	SOFAR	Ca++ independent cell-cell adhesion, Cadherins	26-3-22	5-4-22	Genetic imprinting	11-4-22	19-4-22	Prenatal screening methods	18-4-22	26-4-22	RNA & DNA polymorphisms	2-5-22	14-5-22	Impact Assessment of excess use of over-the-counter cough medicine.
21	SONALI	Programmed cell death	26-3-22	5-4-22	Dosage compensation in organisms with heterogametic males	11-4-22	19-4-22	History and methods of genetic counselling	18-4-22	26-4-22	The translation machinery in prokaryotes and eukaryotes	2-5-22	14-5-22	Impact of Covid 19 Pandemic on Higher Education System in NCR
22	SWEETI	Novel genes carrying forms living in cold deserts	26-3-22	5-4-22	Ultrastructure of chromosomes	11-4-22	19-4-22	ethical and legal aspects of genetic counselling	18-4-22	26-4-22	Post transcriptional modification in polypeptide	2-5-22	14-5-22	Impact Assessment of overuse of Antibiotics

Prof. (Dr.) Divya Nath
Principal

Dr. Dinesh C. Sharma
HOD-Zoology