

Km. Mayawati Govt. Girls P.G. College,
Dept of Zoology: Fourth Semester : Specializations-Cytology and cytogenetics
Assignments: M.Sc.-IVth Dec-2019- May-2020
(Please check the syllabus for detail of topic)
Presentation Time: 2.30 PM in Smart Class Science

6	KM.PRITI	Hierarchy in organization of cells		31-12-10	31-12-10	31-12-10	31-12-10	31-12-10	GISH	Developmental significance of fluctuations in genomic DNA content	15-1-20	15-1-20	Genic balance theory of sex determination		Genome analysis		Multigene organization of Ig genes		Techniques in human chromosome analysis		15-2-20	15-2-20	DNA damage and repair				
7	KM.PRITI BHATI	Prokaryotic and eukaryotic genome		31-12-10	13-1-20	11-1-20	28-2-20	28-2-20	DNA sequencing	2-3-20	7-3-20	Concept of totipotency vis-a-genome constancy	15-1-20	25-1-20	Sex determination and sex differentiation in mammals	15-3-20	21-3-20	Automated Karyotyping		30-1-20	8-2-20	Immunoglobulin gene structure		Numerical and structural abnormalities of human chromosome		Transcription in prokaryotic and eukaryotic cell	
8	NIKITA SHARMA	Regulation of gene expression			Cloning		8-3-20	28-2-20	Molecular basis of cellular check points	15-1-20	28-1-20	Dosage compensation in organisms with heterogametic males	15-3-20	23-3-20	Chromosome banding and chromosome painting		30-1-20	10-2-20	Southern and fluorescence in situ hybridization for genome analysis		30-3-20	8-4-20	Cytogenetics implications and consequences		Genetic code		
9	SANJANA SINGH	Ageing in cells		Novel genes carrying forms living in cold deserts	15-1-20	28-2-20	9-3-20	15-1-20	Morphological and functional elements of eukaryotic chromosomes	29-1-20	25-3-20	sex linked master control genes and autosomal regulatory genes.	15-3-20	26-3-20	Construction of a restriction map		30-1-20	11-2-20	Molecular markers in genome analysis		9-4-20	11-4-20	Bacterial transformation, transduction, conjugation, bacterial chromosome		Cytogenetic effects of ionizing and non-ionizing radiation		
10	VAISHALI SHARMA	Necrosis and apoptosis		Cytology of flora and fauna of thermophilic areas	16-1-20	28-2-20	10-3-20	15-1-20	Genetic regulation of cell division in eukaryote	30-1-20	26-3-20	Genetic imprinting	15-3-20	27-3-20	Choice of mapping population: Simple sequence repeat loci		30-1-20	13-2-20	Molecular markers linked to disease genes		30-3-20	13-4-20	Human genetics		Genetics of cell cycle and cyclin independent kinases		
11	GEETA PAL	Flow cytometry		Regulation of gene expression	17-1-20	11-3-20	28-2-20	31-1-20	Mobile DNA		27-3-20	Molecular structure of euchromatin and heterochromatin			Restriction fragment length polymorphism	30-1-20	14-2-20	Applications of RFLP		30-3-20	14-4-20	Bacteriophage		DNA synthesis			

Note:

- *Mark of Each Assignment: 5*
- *All students should record their presentation and submit it to HOD in pen drive, So it can uploaded on college website.*
- *Deduction of Marks: 1 mark deducted for Late Submission and 1 for late presentation.*
- *In case of Holiday, the New date will be allotted by Dr. Azmi Women Scientist-DST, Zoology*