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

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

Assignments: M.Sc.-IInd Dec-2019- May-2020

Presentation Time: 1.30 PM in Smart Class Science

R. N O.	NAME OF STUDENTS	COURSE V: Biostatistics and Bioinformatics						Course VI : Genetics						Course VII : Mammalian Physiology						Course VIII : Biochemistry						Total Marks	Signature
		Ist Assignment			Vth Assignment			IInd Assignment			VIth Assignment			IIIrd Assignment			VIIth Assignment			IVth Assignment			VIIIth Assignment				
		FIRST ASSIGNMENT	Submission Last date	Presentation Date	SECOND ASSIGNMENT	Submission Last date	Presentation Date	FIRST ASSIGNMENT	Submission Last date	Presentation Date	SECOND ASSIGNMENT	Submission Last date	Presentation Date	FIRST ASSIGNMENT	Submission Last date	Presentation Date	SECOND ASSIGNMENT	Submission Last date	Presentation Date	FIRST ASSIGNMENT	Submission Last date	Presentation Date	SECOND ASSIGNMENT	Submission Last date	Presentation Date		
1	ALISHBA	Basic concepts, Fundamentals of measurements,	5-1-2020	7-1-20	Primary Database & Secondary Database	28-2-20	3-3-20	Mendel & Mendelian principles	15-1-20	20-1-20	applications of genetic engineering	15-3-20	16-3-20	Blood – composition and fuaction	30-1-20	6-2-20	neural and chemical regulation of respiration	30-3-20	1-4-20	Structure of atoms, molecules and chemical bonds	15-2-20	19-2-20	Metabolism of lipids	10-4-20	14-4-20		
2	DEEPANSHI GOYAL	Qualitative & Quantitative Variables	5-1-2020	7-1-20	Sequence Databases (European Molecular Biology Laboratory)	28-2-20	3-3-20	Dominance, segregation, independent assortment	15-1-20	20-1-20	Chromosome walking	15-3-20	16-3-20	Blood corpuscles, haemopoiesis and formed elements	30-1-20	6-2-20	Comparative physiology of excretion, kidney	30-3-20	1-4-20	Composition, structure and function of carbohydrates	15-2-20	19-2-20	Metabolism of amino acids	10-4-20	14-4-20		
3	HIMANSHI	Collection, Classification, Tabulation & Presentation of data.	5-1-2020	8-1-20	GenBank, DNA Data Base of Japan (DDBJ),	28-2-20	4-3-20	Deviations from mendelian inheritance.	15-1-20	21-1-20	Genetic code	15-3-20	17-3-20	plasma function, blood volume, blood volume regulation	30-1-20	7-2-20	urine formation, urine concentration,	30-3-20	2-4-20	Composition, structure and function lipids	15-2-20	20-2-20	Metabolism of nucleotides	10-4-20	15-4-20		
4	JAYA	Measures of Central Tendency – objectives of Averages,	5-1-2020	8-1-20	SWISS-PORT, Protein Information Resource, TREMBL),	28-2-20	4-3-20	Methods of genetic transfer-Transformation, conjugation, transduction	15-1-20	21-1-20	Properties of genetic code, codon assignments,	15-3-20	17-3-20	blood groups	30-1-20	7-2-20	waste elimination, micturition	30-3-20	2-4-20	Composition, structure and function of proteins	15-2-20	20-2-20	Metabolism of vitamins	10-4-20	15-4-20		
5	KALPNA SHISHODIA	Various Measures of Central Tendency (Mean, Median, Mode) and their Merits & Demerits	5-1-2020	9-1-20	Protein Family/Domain Databases (Prosite, Pfam & Prints)	28-2-20	5-3-20	Types, structure and morphology of T4 phage	15-1-20	22-1-20	chain initiation and terminatio	15-3-20	18-3-20	haemoglobin, haemostasis.	30-1-20	8-2-20	regulation of water balance, blood volume, blood pressure,	30-3-20	3-4-20	Composition, structure and function of nucleic acids	15-2-20	21-2-20	Principles of catalysis	10-4-20	16-4-20		
6	KM MINAKSHI KORI	Choice of suitable Averages.	5-1-2020	9-1-20	Submitting sequence to Database and information retrieval through ENTREZ	28-2-20	5-3-20	Structural and numerical alterations of chromosomes	15-1-20	22-1-20	mutations and the genetic code	15-3-20	18-3-20	immunity	30-1-20	8-2-20	electrolyte balance, acid-base balance	30-3-20	3-4-20	Composition, structure and function of vitamins	15-2-20	21-2-20	enzymes and enzyme kinetics	10-4-20	16-4-20		

7	KM VERSHA	Measures of Dispersion – Objective of measuring variability	5-1-2020	10-1-20	Collecting & Storing Sequences, Local alignment, Global Alignment,	28-2-20	6-3-20	Molecular anatomy of eukaryotic chromosomes,	15-1-20	23-1-20	Genetic disorders	15-3-20	19-3-20	Comparative anatomy of heart structure	30-1-20	10-2-20	Digestive system:	30-3-20	4-4-20	Stablizing interactions (Van der Waals, electrostatic.).	15-2-20	22-2-20	enzyme regulation	10-4-20	17-4-20		
8	KM VINITA	Properties of good measure of dispersion, Types of measure of dispersion,	5-1-2020	10-1-20	BLAST (BLASTP, BLASTN)	28-2-20	6-3-20	Heterochromatin and euchromatin	15-1-20	23-1-20	chromosomal disorders	15-3-20	19-3-20	myogenic heart & its neural and chemical regulation, Specialized tissue	30-1-20	10-2-20	Digestion, absorption,	30-3-20	4-4-20	Stablizing interactions (hydrogen bonding, hydrophobic, interaction, etc.).	15-2-20	22-2-20	mechanism of enzyme catalysis	10-4-20	17-4-20		
9	MAMTA	Merit & demerits of Standard Deviation.	5-1-2020	11-1-20	BLAST (BLASTX)	28-2-20	7-3-20	giant chromosomes, polytene and lampbrush chromosomes	15-1-20	24-1-20	inborn errors of metabolism	15-3-20	20-3-20	ECG – its principle and significance	30-1-20	11-2-20	energy balance	30-3-20	6-4-20	Principles of biophysical chemistry (pH).	15-2-20	24-2-20	isozymes	10-4-20	18-4-20		
10	MAMTA RANI	Importance of Correlation Analysis, Types of Correlation	5-1-2020	11-1-20	TBLASTN, TBLASTX	28-2-20	7-3-20	Gene-mapping-Concept of recombination	15-1-20	24-1-20	tay-sachs disease, albinism	15-3-20	20-3-20	cardiac cycle, heart as a pump	30-1-20	11-2-20	BMR	30-3-20	6-4-20	Principles of biophysical chemistry (buffer, reaction).	15-2-20	24-2-20	Bioenergetics	10-4-20	18-4-20		
11	MANISHA	Measures of Correlation	5-1-2020	13-1-20	European Molecular Biology Laboratory	28-2-20	9-3-20	linkage map,	15-1-20	25-1-20	cytogenetic map	15-3-20	21-3-20	blood pressure	30-1-20	12-2-20	Thermoregulation	30-3-20	7-4-20	Principles of biophysical chemistry (thermodynamics, colligative properties)	15-2-20	25-2-20	Glycolysis.	10-4-20	20-4-20		
12	MANISHA BHATI	Regression Analysis	5-1-2020	13-1-20	Phylogenetic Prediction,	28-2-20	9-3-20	Levels of genome mapping,	15-1-20	25-1-20	significance of genome mapping	15-3-20	21-3-20	neural and chemical regulation BP, Cardiac Cycle	30-1-20	12-2-20	Comfort zone, body temperature	30-3-20	7-4-20	Conformation of proteins	15-2-20	25-2-20	Kreb Cycle	10-4-20	20-4-20		
13	MEGHA BAISOYA	Difference between Correlation & Regression,	5-1-2020	14-1-20	Gene Prediction & Analysis	28-2-20	10-3-20	Population genetics-Gene pool and gene frequencies	15-1-20	27-1-20	Organization of genetic material	15-3-20	23-3-20	Structure and function of Nervous system	30-1-20	13-2-20	physical, chemical, neural regulation of body temperature & acclimatization	30-3-20	8-4-20	Ramachandran plot	15-2-20	26-2-20	Oxidative phosphorylation	10-4-20	21-4-20		
14	NEHA CHAUHAN	Regression of Y on X and X on Y	5-1-2020	14-1-20	Test of Significance	28-2-20	10-3-20	Hardy-weinberg law of genetic equilibrium and changes in gene frequencies	15-1-20	27-1-20	packaging of DNA as nucleosomes in eukaryotes	15-3-20	23-3-20	Structure, function and type of Neurons &	30-1-20	13-2-20	Stress and adaptation	30-3-20	8-4-20	secondary, tertiary and quaternary structure pf Protein	15-2-20	26-2-20	Coupled reaction	10-4-20	21-4-20		
15	NEHA RANI	Introduction of Bioinformatics	5-1-2020	15-1-20	Testing of Hypothesis, Errors in Hypothesis Testing,	28-2-20	11-3-20	Somatic cell genetics	15-1-20	28-1-20	repetitive and unique DNA sequences	15-3-20	24-3-20	action potential	30-1-20	14-2-20	Endocrine system	30-3-20	9-4-20	domains; motif and folds)	15-2-20	27-2-20	group transfer	10-4-20	22-4-20		

16	PRIYANKA PATEL	Components of Computer & Number System	5-1-2020	15-1-20	Level of Significance, Chi-square test,	28-2-20	11-3-20	cell fusion and hybrids-agents	15-1-20	28-1-20	split genes	15-3-20	24-3-20	gross neuroanatomy of the brain and spinal cord,	30-1-20	14-2-20	Reproductive system	30-3-20	9-4-20	Conformation of nucleic acids	15-2-20	27-2-20	biological energy transducers	10-4-20	22-4-20		
17	SHALINI KUMARI	Logic Gates & Flow Chart	5-1-2020	16-1-20	'Z' test	28-2-20	12-3-20	mechanism of fusion, heterokaryon	15-1-20	29-1-20	overlapping genes	15-3-20	25-3-20	central and peripheral nervous system	30-1-20	15-2-20	Endocrine glands	30-3-20	10-4-20	Structure and types of DNA	15-2-20	28-2-20	ETS	10-4-20	23-4-20		
18	SHWEETA BHATI	Comprehension of C & its programming	5-1-2020	16-1-20	't' test	28-2-20	12-3-20	Cloning,	15-1-20	29-1-20	pseudogenes	15-3-20	25-3-20	neural control of muscle tone and posture	30-1-20	15-2-20	basic mechanism of hormone action	30-3-20	10-4-20	A-, B-, Z , DNA	15-2-20	28-2-20	Structure and types of RNA	10-4-20	23-4-20		
19	SONAM	Basics for operating system (Windows), MS-Word, Power Point	5-1-2020	17-1-20	Analysis of variance	28-2-20	13-3-20	PCR	15-1-20	30-1-20	phenyketonuria, lesch-nyhan syndrome	15-3-20	26-3-20	Sense organs: Vision, hearing and tactile response	30-1-20	17-2-20	hormones and diseases	30-3-20	11-4-20	t-RN	15-2-20	29-2-20	micro-RNA	10-4-20	24-4-20		
20	SONIKA	Introduction of Data Base Management System (DBMS).	5-1-2020	17-1-20	Probability Distribution	28-2-20	13-3-20	DNA sequencing FISH	15-1-20	30-1-20	physical maps & molecular maps	15-3-20	26-3-20	Comparison of respiration in different species, anatomical considerations	30-1-20	17-2-20	reproductive processes and its hormonal control	30-3-20	11-4-20	Stability of protein	15-2-20	29-2-20	Z-DNA	10-4-20	24-4-20		
21	TANU SHARMA	Electronic mail, Electronic Mail Servers,	5-1-2020	18-1-20	Poisson Distribution	28-2-20	14-3-20	GISH	15-1-20	31-1-20	sex chromosomes & Sex determination.	15-3-20	27-3-20	transport of gases, exchange of gases	30-1-20	18-2-20	neuroendocrine regulation	30-3-20	13-4-20	Stability of nucleic acid structures	28-2-20	2-3-20	enzyme kinetics	10-4-20	25-4-20		
22	Shaily Bhati	Downloading files with anonymous File Transfer Protocol, Gopher, WWW, Mosaic	5-1-2020	18-1-20	Binomial & Normal Distribution	28-2-20	14-3-20	DNA-fingerprinting	15-1-20	31-1-20	Human chromosome classification	15-3-20	27-3-20	waste elimination	30-1-20	18-2-20	Structure and function of Pituitary	30-3-20	13-4-20	Metabolism of carbohydrates	28-2-20	2-3-20	Classification of Enzyme	10-4-20	25-4-20		

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 personation.*
- *In case of Holiday, the New date will be allotted by Dr.Azad Alam / Dr. Azmi Women Scientist-DST, Zoology*