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

Dept of Zoology: Second Semester: Zoology

Assignments: M.Sc.-IInd (Batch-2020)

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. Presentation mode (online/offline) will be update before presentation date depending upon COVID19 situations.*
- *Your presentation monitored, marked and recorded by Dr. Azad Alam Siddique or Dr. Azmi Naqvi or Mrs. Sumbul Zehra or Smt. Kamlesh Kaushal or as allotted by HOD*
- *Soft copy of all assignments emailed to zoologyhod.kmggpgc@gmail.com*
- Tentative date of First internal: Last week of April 2021.

R. N O.	NAME OF STUDENTS	COURSE V: Biostatistics and Bioinformatics						Course VI : Genetics						Course VII : Mammalian Physiology						Course VIII : Biochemistry						Total Marks	Signature
		Dr. Azmi Naqvi / Smt. Kamlesh Kaushal						*Dr. Dinesh C. Sharma*						*Mrs. Sumbul Zehra*						*Dr. Azad Alam Siddique*							
		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	ARPANA RATHOUR	Basic concepts, Fundamentals of measurements,	24-4-21	26-4-21	Primary Database & Secondary Database	16-5-21	17-5-21	Mendel & Mendelian principles	30-4-21	01-5-21	applications of genetic engineering	21-5-21	22-5-21	Blood – composition and function	05-5-21	07-5-21	neural and chemical regulation of respiration	27-5-21	28-5-21	Structure of atoms, molecules and chemical bonds	12-5-21	14-5-21	Metabolism of lipids	30-5-21	31-5-21		
2	AYUSHI UPADHYAY	Qualitative & Quantitative Variables	24-4-21	26-4-21	Sequence Databases (European Molecular Biology Laboratory)	16-5-21	17-5-21	Dominance, segregation, independent assortment	30-4-21	01-5-21	Chromosome walking	21-5-21	22-5-21	Blood corpuscles, haemopoiesis and formed elements	05-5-21	07-5-21	Comparative physiology of excretion, kidney	27-5-21	28-5-21	Composition, structure and function of carbohydrates	12-5-21	14-5-21	Metabolism of amino acids	30-5-21	31-5-21		
3	CHHAVI GULATI	Collection, Classification, Tabulation & Presentation of data.	24-4-21	26-4-21	GenBank, DNA Data Base of Japan (DDBJ),	16-5-21	17-5-21	Deviations from mendelian inheritance.	30-4-21	01-5-21	Genetic code	21-5-21	22-5-21	plasma function, blood volume, blood volume regulation	05-5-21	07-5-21	urine formation, urine concentration,	27-5-21	28-5-21	Composition, structure and function lipids	12-5-21	14-5-21	Metabolism of nucleotides	30-5-21	31-5-21		
4	DOLLY KARDAM	Measures of Central Tendency – objectives of Averages,	24-4-21	26-4-21	SWISS-PORT, Protein Information Resource, TREMBL),	16-5-21	17-5-21	Methods of genetic transfer-Transformation, conjugation, transduction	30-4-21	01-5-21	Properties of genetic code, codon assignments,	21-5-21	22-5-21	blood groups	05-5-21	07-5-21	waste elimination, micturition	27-5-21	28-5-21	Composition, structure and function of proteins	12-5-21	14-5-21	Metabolism of vitamins	30-5-21	31-5-21		

5	JYOTI SHARMA	Various Measures of Central Tendency (Mean, Median, Mode) and their Merits &	24-4-21	26-4-21	Protein Family/Domain Databases (Prosite, Pfam &	16-5-21	17-5-21	Types, structure and morphology of T4 phage	30-4-21	01-5-21	chain initiation and terminatio	21-5-21	22-5-21	haemoglobin, haemostasis.	05-5-21	07-5-21	regulation of water balance, blood volume, blood	27-5-21	28-5-21	Composition, structure and function of nucleic	12-5-21	14-5-21	Principles of catalysis	30-5-21	31-5-21		
6	KM ANJU	Choice of suitable Averages.	24-4-21	26-4-21	Submitting sequence to Database and information retrieval through ENTREZ	16-5-21	17-5-21	Structural and numerical alterations of chromosomes	30-4-21	01-5-21	mutations and the genetic code	21-5-21	22-5-21	immunity	05-5-21	07-5-21	electrolyte balance, acid-base balance	27-5-21	28-5-21	Composition, structure and function of vitamins	12-5-21	14-5-21	enzymes and enzyme kinetics	30-5-21	31-5-21		
7	KM ARCHNA GAUD	Measures of Dispersion – Objective of measuring variability	24-4-21	26-4-21	Collecting & Storing Sequences, Local alignment, Global Alignment,	16-5-21	17-5-21	Molecular anatomy of eukaryotic chromosomes,	30-4-21	01-5-21	Genetic disorders	21-5-21	22-5-21	Comparative anatomy of heart structure	05-5-21	07-5-21	Digestive system:	27-5-21	28-5-21	Stablizing interactions (Van der Waals, electrostatic.).	12-5-21	14-5-21	enzyme regulation	30-5-21	31-5-21		
8	KM JAYLALITA	Properties of good measure of dispersion, Types of measure of dispersion,	24-4-21	26-4-21	BLAST (BLASTP, BLASTN)	16-5-21	17-5-21	Heterochromatin and euchromatin	30-4-21	01-5-21	chromosomal disorders	21-5-21	22-5-21	myogenic heart & its neural and chemical regulation, Specialized	05-5-21	07-5-21	Digestion, absorption,	27-5-21	28-5-21	Stablizing interactions (hydrogen bonding, hydrophobic, interaction, etc.).	12-5-21	14-5-21	mechanism of enzyme catalysis	30-5-21	31-5-21		
9	KOMAL -PK	Merit & demerits of Standard Deviation.	24-4-21	26-4-21	BLAST (BLASTX)	16-5-21	17-5-21	giant chromosomes, polytene and lampbrush chromosomes	30-4-21	01-5-21	inborn errors of metabolism	21-5-21	22-5-21	ECG – its principle and significance	05-5-21	07-5-21	energy balance	27-5-21	28-5-21	Principles of biophysical chemistry (pH).	12-5-21	14-5-21	isozymes	30-5-21	31-5-21		
10	KOMAL -RC	Importance of Correlation Analysis, Types of Correlation	24-4-21	26-4-21	TBLASTN, TBLASTX	16-5-21	17-5-21	Gene-mapping-Concept of recombination	30-4-21	01-5-21	tay-sachs disease, albinism	21-5-21	22-5-21	cardiac cycle, heart as a pump	05-5-21	07-5-21	BMR	27-5-21	28-5-21	Principles of biophysical chemistry (buffer, reaction).	12-5-21	14-5-21	Bioenergetics	30-5-21	31-5-21		
11	MANTASHA SAIFI	Measures of Correlation	24-4-21	26-4-21	European Molecular Biology Laboratory	16-5-21	17-5-21	linkage map,	30-4-21	01-5-21	cytogenetic map	21-5-21	22-5-21	blood pressure	05-5-21	07-5-21	Thermoregulation	27-5-21	28-5-21	Principles of biophysical chemistry (thermodynamics, colligative properties)	12-5-21	14-5-21	Glycolysis.	30-5-21	31-5-21		
12	NISHA	Regression Analysis	24-4-21	27-4-21	Phylogenetic Prediction,	16-5-21	18-5-21	Levels of genome mapping,	30-4-21	02-5-21	significance of genome mapping	21-5-21	23-5-21	neural and chemical regulation BP, Cardiac Cycle	05-5-21	08-5-21	Comfort zone, body temperature	27-5-21	28-5-21	Conformation of proteins	12-5-21	15-5-21	Kreb Cycle	30-5-21	31-5-21		
13	PAKHI SAGAR	Difference between Correlation & Regression,	24-4-21	27-4-21	Gene Prediction & Analysis	16-5-21	18-5-21	Population genetics-Gene pool and gene frequencies	30-4-21	02-5-21	Organization of genetic material	21-5-21	23-5-21	Structure and function of Nervous system	05-5-21	08-5-21	physical, chemical, neural regulation of body temperature & acclimatization	27-5-21	29-5-21	Ramachandran plot	12-5-21	15-5-21	Oxidative phosphorylation	30-5-21	31-5-21		

14	POOJA BHATI	Regression of Y on X and X on Y	24-4-21	27-4-21	Test of Significance	16-5-21	18-5-21	Hardy-weinberg law of genetic equilibrium and changes in gene frequencies	30-4-21	02-5-21	packaging of DNA as nucleosomes in eukaryotes	21-5-21	23-5-21	Structure, function and type of Neurons &	05-5-21	08-5-21	Stress and adaptation	27-5-21	29-5-21	secondary, tertiary and quaternary structure pf Protein	12-5-21	15-5-21	Coupled reaction	30-5-21	31-5-21		
15	PREETI	Introduction of Bioinformatics	24-4-21	27-4-21	Testing of Hypothesis, Errors in Hypothesis Testing,	16-5-21	18-5-21	Somatic cell genetics	30-4-21	02-5-21	repetitive and unique DNA sequences	21-5-21	23-5-21	action potential	05-5-21	08-5-21	Endocrine system	27-5-21	29-5-21	domains; motif and folds)	12-5-21	15-5-21	group transfer	30-5-21	31-5-21		
16	PRIYA	Components of Computer & Number System	24-4-21	27-4-21	Level of Significance, Chi-square test,	16-5-21	18-5-21	cell fusion and hybrids-agents	30-4-21	02-5-21	split genes	21-5-21	23-5-21	gross neuroanatomy of the brain and spinal cord,	05-5-21	08-5-21	Reproductive system	27-5-21	29-5-21	Conformation of nucleic acids	12-5-21	15-5-21	biological energy transducers	30-5-21	31-5-21		
17	SANCHITA CHAUHAN	Logic Gates & Flow Chart	24-4-21	27-4-21	'Z' test	16-5-21	18-5-21	mechanism of fusion, heterokaryon	30-4-21	02-5-21	overlapping genes	21-5-21	23-5-21	central and peripheral nervous system	05-5-21	08-5-21	Endocrine glands	27-5-21	29-5-21	Structure and types of DNA	12-5-21	15-5-21	ETS	30-5-21	31-5-21		
18	SANGAM NAGAR	Comprehension of C & its programming	24-4-21	27-4-21	't' test	16-5-21	18-5-21	Cloning,	30-4-21	02-5-21	pseudogenes	21-5-21	23-5-21	neural control of muscle tone and posture	05-5-21	08-5-21	basic mechanism of hormone action	27-5-21	29-5-21	A-, B-, Z , DNA	12-5-21	15-5-21	Structure and types of RNA	30-5-21	31-5-21		
19	SHIVANI CHAWLA	Basics for operating system (Windows), MS-Word, Power Point	24-4-21	27-4-21	Analysis of variance	16-5-21	18-5-21	PCR	30-4-21	02-5-21	phenyketonuria, lesch-nyhan syndrome	21-5-21	23-5-21	Sense organs: Vision, hearing and tactile response	05-5-21	08-5-21	hormones and diseases	27-5-21	29-5-21	t-RN	12-5-21	15-5-21	micro-RNA	30-5-21	31-5-21		
20	SOFAR	Introduction of Data Base Management System (DBMS).	24-4-21	27-4-21	Probability Distribution	16-5-21	18-5-21	DNA sequencing FISH	30-4-21	02-5-21	physical maps & molecular maps	21-5-21	23-5-21	Comparison of respiration in different species, anatomical considerations	05-5-21	08-5-21	reproductive processes and its hormonal control	27-5-21	29-5-21	Stability of protein	12-5-21	15-5-21	Z-DNA	30-5-21	31-5-21		
21	SONALI	Electronic mail, Electronic Mail Servers,	24-4-21	27-4-21	Poisson Distribution	16-5-21	18-5-21	GISH	30-4-21	02-5-21	sex chromosomes & Sex determination.	21-5-21	23-5-21	transport of gases, exchange of gases	05-5-21	08-5-21	neuroendocrine regulation	27-5-21	29-5-21	Stability of nucleic acid structures	12-5-21	15-5-21	enzyme kinetics	30-5-21	31-5-21		
22	SWEETI	Downloading files with anonymous File Transfer Protocol, Gopher, WWW, Mosaic	24-4-21	27-4-21	Binomial & Normal Distribution	16-5-21	18-5-21	DNA-fingerprinting	30-4-21	02-5-21	Human chromosome classification	21-5-21	23-5-21	waste elimination	05-5-21	08-5-21	Structure and function of Pituitary	27-5-21	29-5-21	Metabolism of carbohydrates	12-5-21	15-5-21	Classification of Enzyme	30-5-21	31-5-21		

-Dr. Dinesh C. Sharma, HOD-Zoology