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

Dept of Zoology:

Assignments: M.Sc.-IIst Semester 2022-24

Instructions for assignments

- *Mark of Each Assignment: 5 (Deduction of Marks: 1 mark deducted for Late Submission and 1 for late personation.)*
- Upload your assignments and project before due date on google classroom on **https://classroom.google.com/c/NTA3NzM2NTkzMDIz?cjc=r5ehaso**
- *Presentation mode (online/offline) will be update before presentation date depending upon situations.*
- *Submit your project title upto 20 December 2022 to Dr. Prof D.C. Sharma, He will allotted Project supervisor*
- *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: December 2022 and January 2023
- *All student presentation recorded online and uploaded on Zoology Department YouTube account. Make a video of your assignments and upload it on Zoology Department YouTube account with the help of Miss. Sumbul Zehra.*

Class Roll Number	Name of Student	Course V : Code: H-2062: Biostatistics and Bioinformatics						Course VI : Code: H-2063: Genetics						Course VII : Code: H-2064: Mammalian Physiology						Course VIII : Code: H-2065: Biochemistry					
		Prof.. Dinesh C. Sharma and Miss. Jyoti Sharma						*Prof.. Dinesh C. Sharma and Miss. Sumbul Zehra*						*Smt. Neetu Singh and Miss. Sumbul Zehra*						*Dr. Surneder Kumar and Miss. Jyoti Sharma*					
		Assignment & Presentation						*Assignment & Presentation*						*Assignment & Presentation*						*Assignment & Presentation*					
		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	Last Date	Presentation date	FIRST ASSIGNMENT	Submission Last Date	Presentation date	SECOND ASSIGNMENT	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	Last Date	Presentation date
1	AKANSHA TYAGI	Basic concepts, Fundamentals of measurements,	20-2-23	25-2-23	Primary Database & Secondary Database	20-3-23	25-3-23	Mendel & Mendelian principles	27-2-23	4-3-23	applications of genetic engineering	27-3-23	1-4-23	Blood – composition and function	6-3-23	11-3-23	neural and chemical regulation of respiration	3-4-23	8-4-23	Structure of atoms, molecules and chemical bonds	13-3-23	18-3-23	Metabolism of lipids	10-4-23	15-4-23
2	AKHU NAGAR	Qualitative & Quantitative Variables	20-2-23	25-2-23	Sequence Databases (European Molecular Biology Laboratory)	20-3-23	25-3-23	Dominance, segregation, independent assortment	27-2-23	4-3-23	Chromosome walking	27-3-23	1-4-23	Blood corpuscles, haemopoiesis and formed elements	6-3-23	11-3-23	Comparative physiology of excretion, kidney	3-4-23	8-4-23	Composition, structure and function of carbohydrates	13-3-23	18-3-23	Metabolism of amino acids	10-4-23	15-4-23
3	AKSHITA MALIK	Collection, Classification, Tabulation & Presentation of data.	20-2-23	25-2-23	GenBank, DNA Data Base of Japan (DDBJ),	20-3-23	25-3-23	Deviations from mendelian inheritance.	27-2-23	4-3-23	Genetic code	27-3-23	1-4-23	plasma function, blood volume, blood volume regulation	6-3-23	11-3-23	urine formation, urine concentration,	3-4-23	8-4-23	Composition, structure and function lipids	13-3-23	18-3-23	Metabolism of nucleotides	10-4-23	15-4-23

4	ANKITA	Measures of Central Tendency – objectives of Averages,	20-2-23	25-2-23	SWISS-PORT, Protein Information Resource, TREMBL),	20-3-23	25-3-23	Methods of genetic transfer-Transformation, conjugation, transduction	27-2-23	4-3-23	Properties of genetic code, codon assignments,	27-3-23	1-4-23	blood groups	6-3-23	11-3-23	waste elimination, micturition	3-4-23	8-4-23	Composition, structure and function of proteins	13-3-23	18-3-23	Metabolism of vitamins	10-4-23	15-4-23
5	ANUSHKA	Various Measures of Central Tendency (Mean, Median, Mode) and their Merits & Demerits	20-2-23	25-2-23	Protein Family/Domain Databases (Prosite, Pfam & Prints)	20-3-23	25-3-23	Types, structure and morphology of T4 phage	27-2-23	4-3-23	chain initiation and terminatio	27-3-23	1-4-23	haemoglobin, haemostasis.	6-3-23	11-3-23	regulation of water balance, blood volume, blood pressure,	3-4-23	8-4-23	Composition, structure and function of nucleic acids	13-3-23	18-3-23	Principles of catalysis	10-4-23	15-4-23
6	ANUSHKA SHARMA	Choice of suitable Averages.	20-2-23	25-2-23	Submitting sequence to Database and information retrieval through ENTREZ	20-3-23	25-3-23	Structural and numerical alterations of chromosomes	27-2-23	4-3-23	mutations and the genetic code	27-3-23	1-4-23	immunity	6-3-23	11-3-23	electrolyte balance, acid-base balance	3-4-23	8-4-23	Composition, structure and function of vitamins	13-3-23	18-3-23	enzymes and enzyme kinetics	10-4-23	15-4-23
7	HIMANSHI CHAUHAN	Measures of Dispersion – Objective of measuring variability	20-2-23	25-2-23	Collecting & Storing Sequences, Local alignment, Global Alignment,	20-3-23	25-3-23	Molecular anatomy of eukaryotic chromosomes,	27-2-23	4-3-23	Genetic disorders	27-3-23	1-4-23	Comparative anatomy of heart structure	6-3-23	11-3-23	Digestive system:	3-4-23	8-4-23	Stablizing interactions (Van der Waals, electrostatic.).	13-3-23	18-3-23	enzyme regulation	10-4-23	15-4-23
8	JYOTI	Properties of good measure of dispersion, Types of measure of dispersion,	20-2-23	25-2-23	BLAST (BLASTP, BLASTN)	20-3-23	25-3-23	Heterochromatin and euchromatin	27-2-23	4-3-23	chromosomal disorders	27-3-23	1-4-23	myogenic heart & its neural and chemical regulation, Specialized tissue	6-3-23	11-3-23	Digestion, absorption,	3-4-23	8-4-23	Stablizing interactions (hydrogen bonding, hydrophobic, interaction, etc.).	13-3-23	18-3-23	mechanism of enzyme catalysis	10-4-23	15-4-23
9	KOMAL NAGAR	Merit & demerits of Standard Deviation.	20-2-23	25-2-23	BLAST (BLASTX)	20-3-23	25-3-23	giant chromosomes, polytene and lampbrush chromosomes	27-2-23	4-3-23	inborn errors of metabolism	27-3-23	1-4-23	ECG – its principle and significance	6-3-23	11-3-23	energy balance	3-4-23	8-4-23	Principles of biophysical chemistry (pH).	13-3-23	18-3-23	isozymes	10-4-23	15-4-23
10	MONIKA GAUTAM	Importance of Correlation Analysis, Types of Correlation	20-2-23	25-2-23	TBLASTN, TBLASTX	20-3-23	25-3-23	Gene-mapping-Concept of recombination	27-2-23	4-3-23	tay-sachs disease, albinism	27-3-23	1-4-23	cardiac cycle, heart as a pump	6-3-23	11-3-23	BMR	3-4-23	8-4-23	Principles of biophysical chemistry (buffer, reaction).	13-3-23	18-3-23	Bioenergetics	10-4-23	15-4-23
11	RAINU	Measures of Correlation	20-2-23	25-2-23	European Molecular Biology Laboratory	20-3-23	25-3-23	linkage map,	27-2-23	4-3-23	cytogenetic map	27-3-23	1-4-23	blood pressure	6-3-23	11-3-23	Thermoregulation	3-4-23	8-4-23	Principles of biophysical chemistry (thermodynamics, colligative properties)	13-3-23	18-3-23	Glycolysis.	10-4-23	15-4-23
12	RITIKA VEDI	Regression Analysis	20-2-23	25-2-23	Phylogenetic Prediction,	20-3-23	25-3-23	Levels of genome mapping,	27-2-23	4-3-23	significance of genome mapping	27-3-23	1-4-23	neural and chemical regulation BP, Cardiac Cycle	6-3-23	11-3-23	Comfort zone, body temperature	3-4-23	8-4-23	Conformation of proteins	13-3-23	18-3-23	Kreb Cycle	10-4-23	15-4-23
13	SALONI TYAGI	Difference between Correlation & Regression,	20-2-23	25-2-23	Gene Prediction & Analysis	20-3-23	25-3-23	Population genetics-Gene pool and gene frequencies	27-2-23	4-3-23	Organization of genetic material	27-3-23	1-4-23	Structure and function of Nervous system	6-3-23	11-3-23	physical, chemical, neural regulation of body temperature & acclimatization	3-4-23	8-4-23	Ramachandran plot	13-3-23	18-3-23	Oxidative phosphorylation	10-4-23	15-4-23

14	SHAILLY KHARI	Regression of Y on X and X on Y	20-2-23	25-2-23	Test of Significance	20-3-23	25-3-23	Hardy-weinberg law of genetic equilibrium and changes in gene frequencies	27-2-23	4-3-23	packaging of DNA as nucleosomes in eukaryotes	27-3-23	1-4-23	Structure, function and type of Neurons &	6-3-23	11-3-23	Stress and adaptation	3-4-23	8-4-23	secondary, tertiary and quaternary structure pf Protein	13-3-23	18-3-23	Coupled reaction	10-4-23	15-4-23
15	SONIKA PANDEY	Introduction of Bioinformatics	20-2-23	25-2-23	Testing of Hypothesis, Errors in Hypothesis Testing,	20-3-23	25-3-23	Somatic cell genetics	27-2-23	4-3-23	repetitive and unique DNA sequences	27-3-23	1-4-23	action potential	6-3-23	11-3-23	Endocrine system	3-4-23	8-4-23	domains; motif and folds)	13-3-23	18-3-23	group transfer	10-4-23	15-4-23
16	SONIYA BHATI	Components of Computer & Number System	20-2-23	25-2-23	Level of Significance, Chi-square test,	20-3-23	25-3-23	cell fusion and hybrids-agents	27-2-23	4-3-23	split genes	27-3-23	1-4-23	gross neuroanatomy of the brain and spinal cord,	6-3-23	11-3-23	Reproductive system	3-4-23	8-4-23	Conformation of nucleic acids	13-3-23	18-3-23	biological energy transducers	10-4-23	15-4-23
17	SRISHTI SINGH	Logic Gates & Flow Chart	20-2-23	25-2-23	'Z' test	20-3-23	25-3-23	mechanism of fusion, heterokaryon	27-2-23	4-3-23	overlapping genes	27-3-23	1-4-23	central and peripheral nervous system	6-3-23	11-3-23	Endocrine glands	3-4-23	8-4-23	Structure and types of DNA	13-3-23	18-3-23	ETS	10-4-23	15-4-23
18	SURUCHI NAGAR	Comprehension of C & its programming	20-2-23	25-2-23	't' test	20-3-23	25-3-23	Cloning,	27-2-23	4-3-23	pseudogenes	27-3-23	1-4-23	neural control of muscle tone and posture	6-3-23	11-3-23	basic mechanism of hormone action	3-4-23	8-4-23	A-, B-, Z , DNA	13-3-23	18-3-23	Structure and types of RNA	10-4-23	15-4-23
19	TANNU SINGH	Basics for operating system (Windows), MS-Word, Power Point	20-2-23	25-2-23	Analysis of variance	20-3-23	25-3-23	PCR	27-2-23	4-3-23	phenyketonuria, lesch-nyhan syndrome	27-3-23	1-4-23	Sense organs: Vision, hearing and tactile response	6-3-23	11-3-23	hormones and diseases	3-4-23	8-4-23	t-RN	13-3-23	18-3-23	micro-RNA	10-4-23	15-4-23
20	TANU	Introduction of Data Base Management System (DBMS).	20-2-23	25-2-23	Probability Distribution	20-3-23	25-3-23	DNA sequencing FISH	27-2-23	4-3-23	physical maps & molecular maps	27-3-23	1-4-23	Comparison of respiration in different species, anatomical considerations	6-3-23	11-3-23	reproductive processes and its hormonal control	3-4-23	8-4-23	Stability of protein	13-3-23	18-3-23	Z-DNA	10-4-23	15-4-23
21	TWINKAL SHARMA	Electronic mail, Electronic Mail Servers,	20-2-23	25-2-23	Poisson Distribution	20-3-23	25-3-23	GISH	27-2-23	4-3-23	sex chromosomes & Sex determination.	27-3-23	1-4-23	transport of gases, exchange of gases	6-3-23	11-3-23	neuroendocrine regulation	3-4-23	8-4-23	Stability of nucleic acid structures	13-3-23	18-3-23	enzyme kinetics	10-4-23	15-4-23
22	VAISHALI SHARMA	Downloading files with anonymous File Transfer Protocol, Gopher, WWW, Mosaic	20-2-23	25-2-23	Binomial & Normal Distribution	20-3-23	25-3-23	DNA-fingerprinting	27-2-23	4-3-23	Human chromosome classification	27-3-23	1-4-23	waste elimination	6-3-23	11-3-23	Structure and function of Pituitary	3-4-23	8-4-23	Metabolism of carbohydrates	13-3-23	18-3-23	Classification of Enzyme	10-4-23	15-4-23

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