

**K.M. Govt. Girls P.G. College,**  
**Dept of Zoology**  
**Assignments: M.Sc.-II<sup>nd</sup> Jan-2019- June-2019**

R. NO.	NAME OF STUDENTS	Course-V: Biostatistics and Bioinformatics				Course VI: Genetics				Course VII : Mammalian Physiology				Course VIII: Biochemistry				Total Marks	Signature
		FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks	FIRST ASSIGNMENT	Marks		
1	ASTHA YADAV	Probability Distribution (Poisson, Binomial & Normal).		DDBJ		Deviations from Mendelian inheritance.		PCR		Haemopoiesis and formed elements		Neural control of muscle tone and posture		Conformation of proteins		Enzymes and enzyme kinetics			
2	JYOTI/OB	Basic concepts Biostatistics		Phylogenetic Prediction		Methods of genetic transfer-Transformation		DNA sequencing		Blood Plasma and , plasma function		Digestive system		Composition, structure and function of carbohydrates		isozymes			
3	KAJAL	Qualitative & Quantitative Variables		Gene Prediction & Analysis		Numerical alterations of chromosomes		FISH		Blood volume regulation		Neuroendocrine regulation		Composition, structure and function of lipid		Enzyme regulation			
4	KM. JYOTI/SKG	Measures of Central Tendency		BLAST (BLASTP, BLASTN, BLASTX, TBLASTN, TBLASTX).		Methods of Gene-mapping		GISH		Comparative anatomy of heart structure		Gross neuroanatomy of the brain and spinal cord		Structure of atoms, molecules and chemical bonds		Conformation of nucleic acids			
5	KM. POONAM TOMAR	Merit & demerits of Standard Deviation.		Components of Computer		Population genetics		DNA-fingerprinting		Neural and chemical regulation of cardiac cycle		Basic mechanism of hormone action		Composition, structure and function of Protein		Mechanism of enzyme catalysis			
6	KM.PRITI	Chi-square test, 'Z' test & 't' test, Analysis		File Transfer Protocol		Somatic cell genetics		Hardy-weinberg law		Comparison of respiration in different species		Transport of gases		Composition, structure and function of Vitamins		Metabolism of Nucleotide			
7	KM.PRITI BHATI	Testing of Hypothesis		SWISS-PORT		Genetic code		linkage map		Neural and chemical regulation of respiration		Regulation of water balance		Principles of biophysical chemistry		Metabolism of Protein			
8	NIKITA SHARMA	Test of Significance		Protein Family/Domain Databases		Genetic disorders		heterokaryon		Sense organs: Vision, hearing and tactile response		Electrolyte balance, acid-base balance		Stability of protein and nucleic acid structures		Metabolism of Vitamins			
9	SANJANA SINGH	Bioinformatics		Dispersion		Organization of genetic material		cytogenetic map		Anatomical Considerations of respiration		Thermoregulation		Stablizing interactions		Oxidative phosphorylation			
10	VAISHALI SHARMA	Data Base Management System (DBMS)		Correlation Analysis		Chromosome walking		physical maps		Comparative physiology of excretion		Hormones and diseases		Metabolism of Lipids		Coupled reaction			
11	GEETA PAL	Sequence Databases		Regression Analysis		applications of genetic engineering		Gene pool and gene frequencies		Micturition		BMR		Metabolism of carbohydrates		Biological energy transducers			