

B.Sc.III (VI-Sem)	
Paper- 6 S-ZOOLOGY	
MOLECULAR BIOLOGY AND BIOTECHNOLOGY	
UNIT – I :	
Genetic material-definition	https://youtu.be/J0lXUaczTMO
Griffiths transformation experiments with bacteriophage infections,	https://youtu.be/2iBBO-uD-x0
Avery and co-workers experiments	https://youtu.be/SxezTUEIXcg
Hershey and Chase experiment.	https://youtu.be/Qn_VfqzsnQ
Chemistry and types DNA(A,B,Z)Mitochondrial DNA;	https://youtu.be/cbDzSnXH5NI
Chemistry, types and function of RNA: mRNA, tRNA and rRNA and Nor	https://youtu.be/AWljijxPYHU
UNIT - II :	
DNA replication: semi conservative method;	https://youtu.be/iTILfD-Aybk
experiment by Messelson and Stahl.	https://youtu.be/gfE5N1OPE1E
Concept of genes, one gene one enzyme hypothesis	https://youtu.be/JOMoKZKqsc8
one gene one Polypeptide theory	https://youtu.be/ICHH10CfDmM
A brief account of Concept and action of cistron, split genes, overlappi	https://youtu.be/FasLbRiDOxU
UNIT-III :	
Genetic code and its features,	https://youtu.be/nJ98RBdVBTU
Protein synthesis transcription and processing of mRNA, translation-d	https://youtu.be/daOCQ7FS1zQ
, Operon models, and Lac-operon model of E.Coli.	https://youtu.be/vXmqf6aaMJc
Genetic regulation in Eukaryotes-Britten Davidson Model.	https://youtu.be/5e5EZxjk0ik
UNIT-IV :	
Mutation: Definition-mutation theory of DeVries different types of mutations	https://youtu.be/JytnrOBWanM
chromosomal aberrations	https://youtu.be/Dlh6ngsQmtE
significance of mutations.	https://youtu.be/7p7-wMsveyg
Polymerase chain reaction (PCR).	https://youtu.be/nmm0RsOnafo
Southern, Northern and Western blotting techniques,	https://youtu.be/Vfm57MqgQaQ
DNA finger printing.	https://youtu.be/Ag2od0IQS_Q
UNIT – V :	
Biotechnology:..	

