



VIDEO & SUPPLEMENTARY MATERIAL POSTING

[FACULTY: Dr. Parthasarathi Panda \(PSP\)](#)

PROGRAM: B. PHARM.

AY 2020-21 (EVEN SEMESTER)

Course Code: PT-214

Course Name: *Biochemistry (Theory)*

Suggested Books for the Course (with links):

Sl. No.	Book Name, Ed., Vol	Authors	Weblink(s)
1.	Principles of Biochemistry. – New York. – W.H.Freeman and Company.	Lehninger A	Click Here
2.	“Biochemistry”, 4 th Edn, Elsevier, New Delhi	Satyanarayana U., Chakrapani U.	Click Here
3.	Textbook of Medical Biochemistry, 8 th Edn., Jaypee Brother Medical Publishers (P) Ltd., New Delhi	Chatterjea M. N., Shinde R.	Click Here
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(add more rows if needed)

Supplementary Materials for Reference and Self Study:*(add more rows if needed)*



Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources	Remarks, if any
08-04-2021	I	Introduction to Biochemistry	Youtube Link	PPT	NOTES	
13-04-2021	V	Introduction to Enzymes	Youtube Link	PPT	NOTES	
20-04-2021	V	Classification, mechanism of action of Enzymes	Youtube Link	PPT	NOTES	
27-04-2021	V	Factor affecting enzyme activity	Youtube Link	PPT	NOTES	
04-05-2021	V	Enzyme Kinetics	Youtube Link	PPT	NOTES	
06-05-2021	V	Enzyme Inhibition	Youtube Link	PPT	NOTES	
08-05-2021	V	Enzyme Regulation, Therapeutic and Diagnostic Application of Enzyme	Youtube Link	PPT	NOTES	
11-05-2021	I	Nucleic Acids	Youtube Link	PPT	NOTES Other Link	Video
13-05-2021	IV	Introduction to Nucleic acid metabolism and genetic information transfer	Youtube Link	PPT	NOTES Other Link	

Supplementary Materials for Reference and Self Study: *(add more rows if needed)*



Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources	Remarks, if any
15-05-2021	IV	Purine Biosynthesis	Youtube Link	PPT	NOTES Other Link	
18-05-2021	IV	Pyrimidine Biosynthesis	Youtube Link	PPT	NOTES Other Link	
20-05-2021	IV	Catabolism of purine nucleotides, Hyperuricemia and Gout disease	Youtube Link	PPT	NOTES Other Link	
22-05-2021	IV	Organization of Mammalian Genome	Youtube Link	PPT	NOTES Other Link	
25-05-2021	IV	Structure of DNA and its functions	Youtube Link	PPT	NOTES Other Link	
29-05-2021	IV	Structure of RNA and its functions	Youtube Link	PPT	NOTES Other Link	
01-06-2021	IV	Structure of RNA and its functions- Different types of RNA	Youtube Link	PPT	NOTES Other Link	

Date	Module (as per	Topic	Live Recording	Powerpoint Presentatio	Supplement ary Notes /	Remark s, if any
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	Lesson Plan)		Link	n Link	Resources	
03-06-2021	IV	DNA replication	Youtube Link	PPT	NOTES	Other Link 1 Other Link 2
04-06-2021	IV	Transcription or RNA Synthesis: Introduction	Youtube Link	PPT	NOTES	Other Link 1 Other Link 2
08-06-2021	IV	Transcription or RNA Synthesis: Procedure and Post transcriptional modification	Youtube Link	PPT	NOTES	Other Link 1 Other Link 2
10-06-2021	IV	Genetic Code: Introduction, Characteristic, Wobble Hypothesis	Youtube Link	PPT	NOTES	Other Link 1 Other Link 2
15-06-2021	IV	Genetic Code: Types, Anticodon, Mutation	Youtube Link	PPT	NOTES	Other Link 1 Other Link 2
16-06-2021	IV	Translation and Inhibitors of protein synthesis	Youtube Link	PPT	NOTES	Other Link 1 Other Link 2



Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources	Remarks, if any
17-06-2021	I	Bioenergetics	Youtube Link	PPT	NOTES	Other Link
06-07-2021	II	Biological Oxidation- ETC	Youtube Link	PPT	NOTES	Other Link
08-07-2021	II	Biological Oxidation- Oxidative Phosphorylation	Youtube Link	PPT	NOTES	Other Link
10-07-2021	I	Amino acids and Proteins	Youtube Link	PPT	NOTES	Other Link 1
13-07-2021	II	Biological Oxidation- Oxidative Phosphorylation	Youtube Link	PPT	NOTES	Other Link 1
17-07-2021	III	General reactions of Amino acid metabolism	Youtube Link	PPT	NOTES	Other Link 1
20-07-2021	III	Amino acid metabolism: Urea cycle and its disorders; Synthesis and significance of biological	Youtube Link	PPT	NOTES	Other Link 1



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Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources	Remarks, if any
22-07-2021	III	Amino acid metabolism: Catabolism of phenylalanine and tyrosine and their metabolic disorders	Youtube Link	PPT	NOTES	Other Link 1
27-07-2021	III	Amino acid metabolism: Catabolism of heme; hyperbilirubinemia and jaundice	Youtube Link	PPT	NOTES	Other Link 1
29-07-2021	III	Lipid Metabolism	Youtube Link	PPT	NOTES	Other Link 1