School of Medical and Allied Sciences

Pharmacy
ETE - Jun 2023

Time : 3 Hours **Marks : 75**

Sem VI - BP605T/BPHT6005
Pharmaceutical Biotechnology Theory
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Define Coenzyme.	K1 CO1 (2)
2.	list out various sterilization methods.	K1 CO5 (2)
3.	Extend the term “PCR”.	K2 CO2 (2)
4.	Define the term “Viral Vaccine”.	K1 CO3 (2)
5.	Explain the storage conditions of official Vaccines.	K2 CO3 (2)
6.	Summarize the term” Enzyme Immobilization”.	K2 CO1 (2)
7.	Define “Vector Cloning”.	K1 CO2 (2)
8.	Outline the features of dried human plasma.	K2 CO5 (2)
9.	Outline the various immuno blotting techniques.	K2 CO4 (2)
10.	Name the various organelles of Eukaryotic cell.	K1 CO4 (2)
11)	Identify & explain about lipase & penicilliase.	K3 CO1 (5)
	OR	
	Identify the term “Enzymes”.	K3 CO1 (5)
12.	Plan a detailed note on PCR.	K3 CO2 (5)
13.	Classify the various types of enzymes in detail.	K4 CO1 (5)
14.	Simplify the working of Restriction endonuclease and DNA Ligase.	K4 CO2 (5)
15.	Identify the term” Viral vaccine & toxoids”.	K3 CO3 (5)
16)	Simplify the general method of preparation of viral vaccine.	K4 CO3 (5)
	OR	
	Classify Plasma Substitutes	K4 CO3 (5)
17.	Discuss about recent developments & applications of biotechnology in Pharmacy, Fermentation, and Agriculture department.	K6 CO6 (5)
18.	Support the term Microbial genetics with the help of transformation, transduction & transposons.	K5 CO4 (10)
19)	Predict about the large scale fermenter.	K6 CO5 (10)
	OR	
	Discuss about the various fermentation methods in detail	K6 CO5 (10)