School of Basic and Applied Sciences
BioScience
ETE - Jun 2023

Time : 3 Hours   **Marks : 50**

Sem II - MBAMBT2007 - Pharmacogenomics
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Explain the significance of cytochrome P450.	K2 CO5 (2)
2.	Describe the Warfarin Pharmacogenomics.	K2 CO2 (2)
3.	Outline the examples of animal-specific cytosolic Glutathione S-transferases.	K2 CO4 (2)
4.	Examine the mechanism of UGTs.	K1 CO1 (2)
5.	Describe the significance of Microarray in PM.	K1 CO3 (2)
6.	Explain the significance of DNA Sequencing in PM.	K3 CO2 (5)
7.	Differentiate the Structural & Functional Pharmacogenomics.	K3 CO3 (5)
8.	Describe the role of pharmacogenomics in Drug Development with suitable examples.	K4 CO6 (6)
9.	Explore the Thiopurine S-methyltransferase (TPMT) Pharmacogenomics.	K3 CO5 (8)
10.	Explain the followings: (1) Single Nucleotide Polymorphism (SNP) (2) Personalized Medicine	K3 CO1 (8)
11.	Illustrate the significance of CYP isoenzymes that can influence the pharmacokinetics or pharmacodynamics of a drug with example.	K4 CO4 (8)