School of Computing Science and Engineering B.Tech CSE

ETE - Jun 2023

Time: 3 Hours Marks: 100

Sem II - C2UD121B / BBS01T1008

Biology For Engineers

Your answer should be specific to the question asked Draw neat labeled diagrams wherever necessary

1. 2. 3.	Define the following terms: (a) Inspiration (b) Expiration. Explain the following terms: (a) Introns (b) Exons (c) Anticodon Write about important characteristics of proteins.	K3 CO3 K2 CO2 K1 CO1	(5) (5)
4.	Make use of a well-labelled diagram and explain the process of synaptic transmission from presynaptic membrane to postsynaptic membrane.	K4 CO4	(10)
OR			
	Analyze the significance of synaptic transmission in the transfer of information in human nervous system.	K4 CO4	(10)
5.	List the names of bio-macromolecules along with their salient features.	K1 CO1	(10)
6.	Examine the structure of the brain and explain its relevance in nevous system.	K2 CO2	(10)
7.	Develop a detailed diagram to show the human respiratory system, and explain its important features.	K4 CO3	(10)
8.	Evaluate the structural framework and usage of X-Ray computed tomography	K4 CO6	(15)
OR			
	Elaborate upon the technique of sonography/ultrasound, focussing on its icomponents and applicability.	K4 CO6	(15)
9.	Evaluate the role of the following techniques: (a) ECG (b) EMG (c) EEG (d) oximeter.	K3 CO5	(15)
10.	Analyse the main features of inhibitory & excitatory post synaptic potential.	K3 CO4	(15)