

Reg.No.:



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]
Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Question Paper Code: 120016

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – NOV. / DEC. 2024

Fifth Semester

Computer Science and Technology

U19BMOE10 – TELEMEDICINE

(Common to Biotechnology)

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

Knowledge Levels	K1 – Remembering	K3 – Applying	K5 - Evaluating
(KL)	K2 – Understanding	K4 – Analyzing	K6 - Creating

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	List the challenges in biomedical telemetry.	2	K2	CO1
2.	Indicate the data transmission methods.	2	K1	CO1
3.	State the principle of a piezoelectric biosensor.	2	K2	CO2
4.	Mention the components of biosensor.	2	K3	CO2
5.	Identify the electrical properties of human body tissues.	2	K2	CO3
6.	Indicate the methods for Intrabody communication transmission.	2	K1	CO3
7.	What is meant by digital security?	2	K2	CO4
8.	List the issues related to electromagnetic compatibility and interference.	2	K2	CO4
9.	Give the usage of telemedicine in relevance to business aspects.	2	K4	CO5
10.	Mention the role of telemedicine in health education and self care.	2	K3	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11. a)	Draw the functional diagram of telemedicine system and discuss the need and requirements of essential components of the telemedicine system.	13	K3	CO1

