CLASS: B.TECH   SEMESTER: IV
BRANCH: BIOTECHNOLOGY   SESSION : SP/2020

SUBJECT: BE216 ENZYME TECHNOLOGY

TIME: 2 HOURS   FULL MARKS: 25

INSTRUCTIONS:
1. The total marks of the questions are 25.
2. Candidates may attempt for all 25 marks.
3. Before attempting the question paper, be sure that you have got the correct question paper.
4. The missing data, if any, may be assumed suitably.

				CO	BL
Q1	(a)	State different properties of enzymes.	[2]	1	1
Q1	(b)	Propose the model for multi-substrate enzyme catalyzed reactions.	[3]	2	2
Q2	(a)	Reveal the Induced fit model for enzyme catalysis.	[2]	1	2
Q2	(b)	Differentiate between multienzyme complex and multifunctional enzymes.	[3]	2	4
Q3	(a)	Evaluate the significance of Isozymes.	[2]	2	5
Q3	(b)	Examine the impact of enzyme substrate reaction kinetics.	[3]	2	2
Q4	(a)	Derive the equation for deactivation process of enzyme protein.	[2]	2	3
Q4	(b)	Illustrate the process for isolation & selection of enzyme producing bacteria.	[3]	3	6
Q5	(a)	Depict the various properties of allosteric enzyme.	[2]	1	1
Q5	(b)	Evaluate the various factors responsible for enzyme catalysis.	[3]	2	5

:::::: 04/03/2020 ::::::E