0601E995

Candidate's	Seat No	:
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B.Sc. Sem.-1 Examination DSC-M-113T Bio-Technology January-2024

January-2024	
ime: 1-00 Hour]	[Max. Marks: 25
1. (a). Explain different divisions of biotechnology.	
(b).What is nucleoside and nucleotide?	07
OR	03
2. (a). Describe the structure and functions of B-DNA.	
(b). Write about structure and function of mRNA.	07
c y was about structure and function of mRNA.	03
3. (a). Discuss classification of aming and by	
3. (a). Discuss classification of amino acids based on "R" group. OR	10
4. (a). Explain structural organization of proteins with examples.	10
5. Answer any five of the following:	
the of the following:	05
1. Who coined the term "Biotechnology"?	
2. Name the pyrimidine base form 1: Park i	
2. Name the pyrimidine base found in RNA but not DNA.	
3. Which of these statements are INCORRECT according to Chargaff's rules?	
$\gamma = 1$	
b) The sum of purine = sum of pyrimidine	
c) The % C+G ≠ % A+T	
d) The composition of DNA remains the same in all the species	
The annual is an amphoteric molecule	
a) True	
b) False	
5is used to measure optical activity.	
6. How is the secondary structure of a protein stabilized?	20
a stand of a brotein staniiized.	