Organic Chemistry (Common For B.Sc. Biotech Industrial Microbiology Semester-VI)

Ti No	ime Allo ote :- A	owed: Three Hours Attempt two questions each from Section A and B. Section C is compulsory. All questions carry	ks:35
	ma	rks.	cquai
	(-)	Section - A	
l.	(a)	Explain Gromatic nature of furan and pyrrole.	3
2	(b)	Give the preparations of thiophene.	4
_	(a)	How does pyrrole undergo electrophilic substitution reactions? Explain	3
3.	(9)	Outline the nucleophilic substitution and electrophilic substitution reactions of partiding	4
Э.	(b) (a) (b)	Tion will you sylllicsise isodulnoline? Clive reaction certilences	3
	(0)	Outline the electrophilic substitution reactions in indole.	3 4 3 4 3 4
•	(-)	Section-B	•
4.	(a)	Write a note on polyurethanes.	3
-	(Ы)	How will you acylate eneamines? Give reactions	. 3
5.	(a)	How will you convert glucose to mannose?	รั
,	(b)	now will you lengthen the chain length in aldoses? Give reaction	Ã
6.	(a)	Explain the structure of deoxyripose.	7
~	(b)	Write note on iso-electric point.	3 4 4 3 7 7
7.	Expl	ain in detail the structure of proteins.	3
8.	How	will you determine the structure of a peptide? Explain in detail.	4
•		Section_C'	,
9.	"Do a	If the parts in short:	
	(a)	What is mutarotation ?	
	(a) (b)	Explain Electrophoresis.	
	(c)	Give the structure of osazone	
	<u>೧</u>	Give an example of urea formaldehyde resins	
	(e)	ULYC LWO CXAIIIDIES OF SIMOSES and Refores in each cook	
	93	why pyridine is more basic than pyrrole?	
	(g)	Why pyridine is more basic than pyrrole? Give brief account of acidic nature of α-h	1×7=7
			10/-/
	3		
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