

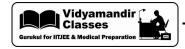
Date Planned ://_ Actual Date of Attempt ://					Daily Tutorial Sheet-5			Exp	ected Duration : 90 Min	
					Level-1				Exact Duration :	
61.	Polya	crylonitrile is ι	used in ma	ıking:						
	(A)	Toys & Flex	ible pipes		(E	3)	Buckets & Bo	ttles		
	(C)	Non-stick s	urface coa	ted utensil	s (I	D)	Commercial f	ibers		
62 .	Whiel	n of the followi	ng polyme	r is an exa	mple of fib	ore?				
	(A)	Silk	(B)	Dacron	. (0		Nylon-66	(D)	All of these	
63.	The C	The Copolymer of and is glyptal which is used in the manufacture of paints and								
	lacquers									
	(A)	Urea, Forma	aldehyde		(E	3)	Ethylene glyc	ol, Phtha	lic acid	
	(C)	Phenol, For	e	(I	D)	1, 3-Butadiene and Styrene				
64.	The process of heat-softening, moulding and cooling to rigidness' can be repeated for which plastics									
	(A)	Thermoplas		(E	3)	Thermosetting plastics				
	(C)	Both (A) and (B)			(I	D)	None of the above			
65 .	A compound of mol. wt. 180 is acetylated to give a compound of mol. wt. 390. The number of amino									
		s in the initial	d is:							
	(A)	2	(B)	4	(0	C)	5	(D)	6	
66.	On heating with conc. H_2SO_4 , sucrose gives :									
	(A)	CO and CO ₂			(E	3)	CO and SO ₂			
	(C)	CO, CO ₂ an		(I	D)	None of these				
67.	It is b	It is best to carry out reactions with sugars in neutral or acid medium and not in alkaline medium. This								
	is because in alkaline medium sugar				_					
	(A)	Racemisation			(B) Decomposition					
	(C)	Inversion			(I	D)	Rearrangeme	nt		
68.		h is a polymer								
	(A)	Glucose	(B)	Fructos	e (C	C) B	oth (A) and (B)	(D)	None of these	
69.	The intermediate compound formed in the conversion of starch to glucose is :									
	(A)	Lactose	(B)	Sucrose	· (C	C)	Maltose	(D)	Fructose	
70.		The helical structure of proteins is established by :								
	(A)	Peptide bon		(E	•	Dipeptide bond				
	(C)	Hydrogen b		(I	D)	Vander Waal's forces				
71.		n amino acid h	_							
	(A)	Alamine	(B)	Glycine	(0	C)	Tyrosine	(D)	Lysine	
		ONS 72 - 73								
(A)	If both assertion and reason are true and the reason is the correct explanation of the assertion.									
(B)		If both assertion and reason are true but reason is not the correct explanation of the assertion.								
(C)	It ass	If assertion is true but reason is false.								

If the assertion and reason both are false.

(D)

(E)

If assertion is false but reason is true.



72. **Assertion :** The specific rotation of a freshly prepared solution of α - glucose decreases from + 112° to 52.7° while that of β glucose increase from + 19° to 52.7°.

Reason: The change in specific rotation of an optically active compound with time to an equilibrium value is called mutarotation.

73. **Assertion:** Proteins on hydrolysis produce amino acids.

(B)

Reason: Amino acids contain $-\mathrm{NH}_2$ and $-\mathrm{COOH}$ groups.

Molecular formula of pentahydroxy acid obtained when glucose is oxidised with $\ensuremath{\text{Br}}_2$ water is : **74**.

(A) $C_6H_{12}O_7$

 $C_6H_{12}O_8$

(C) $C_6H_{12}O_6$ (D)

 $C_6 H_{10} O_6$

75. Which is polysaccharide?

> (A) Starch

(B) Cellulose (C)

Glycogen

(D)

All of these