

Biomolecules & Polymers

Qualitative & Quantitative Analysis of Organic Compound

Level 1		DTS 1 - 5
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	C	C	B	D	A	C	C	C	C	D	B	C	A	C
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
C	B	C	C	D	A	D	B	ABCD	C	A	D	E	B	B
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
A	A	B	D	B	B	D	A	C	B	A	B	B	D	D
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
D	B	A	D	B	A	B	C	C	D	A	A	B	D	C
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
D	D	B	A	C	C	D	A	C	C	C	B	B	A	D

Level 2		DTS 6 - 10
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76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
D	B	D	C	A	D	A	C	C	A	C	B	B	B	B
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
D	B	C	B	A	B	C	C	C	A	C	D	D	C	A
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
D	A	D	D	D	B	B	A	C	C	A	B	A	A	A
121	122	123								124		125		
D	C	(A) – p, q, r, s ; (B) – p, q, r, s ; (C) – (p, s) ; (D) – q, r ; (E) – p, q, r, s								C		C		

Numerical Value Type		DTS 11
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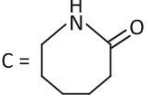
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
9	321	8.85	3214	4	4	6	0	7	4	5	3	6	0	1

JEE Main Archive		DTS 1 - 5
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	C	B	B	B	A	BC	A	A	A	A	A	A	B	B
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	C	A	A	A	C	C	B	D	B	B	A	B	A	D
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
C	D	D	B	A	B	D	A	A	A	C	C	B	B	C

46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
D	B	A	A	D	B	C	C	C	D	A	C	A	D	D
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
A	D	C	A	B	9	A	B	A	C	D	C	3.00	B	B
76	77	78	79	80										
2	A	A	A	D										

JEE Advanced Archive	DTS 1 - 2
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1. $C =$  ; $D = \left[\overset{\overset{O}{\parallel}}{C} - (CH_2)_5 - NH \right]_n$
2. $H_2NCH(CH_3)COO^-$; $H_3N^+CH(CH_3)COOH$
3. A = Glucose & B = Fructose
4. (i) Amine, carboxylic acid, amide, ester
- (ii)
$$\begin{array}{c} H_3N^+ - CH - R \\ | \\ CH_2COO^- \end{array}$$
 (iii)
$$\begin{array}{c} H_2N - CH - COOH \\ | \\ CH_2COOH \end{array}$$
 &
$$\begin{array}{c} CH_2C_6H_5 \\ | \\ H_2N - CH - COOH \end{array}$$
- (iv)
$$\begin{array}{c} CH_2C_6H_5 \\ | \\ H_2N - CH - COOH \end{array}$$
5. Zeigler Natta
6. $HOOC - (CH_2)_2 - CH(NH_3^+) - CONH - CH(COO^-)(CH_2)_4NH_2$
and $HOOC - (CH_2)_2 - CH(COO^-)NHCO - CH(NH_3^+)(CH_2)_4NH_2$
7. (i) Mirror image of D-glucose (ii) Gluconic acid
8. Disaccharide in hemiacetal form will reduce Tollen's reagent.
9. (BC) 10. (C) 11. (a-p, s ; b-q, r ; c-p, r ; d-s) 12. (D)
13. (2) 14. (A) 15. (ABCD) 16. (B) 17. (6)
18. (8) 19. (4) 20. (4) 21. (1) 22. (A)
23. (D) 24. (A) 25. (A) 26. (D) 27. (ACD)
28. (AB)