

Sri Chaitanya IIT Academy, India

A.P, TELANGANA, KARNATAKA, TAMILNADU, MAHARASHTRA, DELHI, RANCHI

A right Choice for the Real Aspirant

ICON CENTRAL OFFICE, MADHAPUR-HYD

 Sec: Sr.IPLCO
 JEE-ADVANCE
 Date: 23-08-15

 Time: 3 Hours
 2011-P2-Model
 Max Marks: 240

KEY & SOLUTIONS

CHEMISTRY

1	С	2	В	3	D	4	D	5	D	6	D
7	D	8	D	9	AC	10	BC	11	ABD	12	AB
13	4	14	4	15	4	16	7	17	2	18	5
19	A:PST	20	A:POT								

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	19	A:PST	20	A:PQT
		B:QST		B:PQRST
		C:R		C:PQST
		D:QST		D:PQST
П			1	

PHYSICS

21	С	22	A	23	С	24	A	25	D	26	D
27	A	28	D	29	ABC	30	AC	31	ABCD	32	ABD
33	2	34	4	35	3	36	9	37	2	38	2
39	A-P,Q	40	A-P								

39	A-P,Q	40	A-P
	B-P,Q		B- Q
	C-Q,R		C-P,R
	D-Q,R		D-Q,S

MATHS

41	В	42	D	43	D	44	A	45	D	46	A
47	D	48	В	49	ABCD	50	ABC	51	ABCD	52	BC
53	6	54	3	55	5	56	1	57	0	58	1
70	A D	(0	A D	1							

59	A-R;	60	A-P;
	B-S;		B-QRS;
	C-P;		C-PQRS;
	D-S		D-P

CHEMISTRY

$$H_3C$$
 CH_3
 Na
 CH_3
 CH_3
 $NaOI$
 CH_3
 $NaOI$
 CH_3

$$CH_3$$
 CH_3 CH_2 CI_2 CH_3 CH_3 CH_3 $COO^- + CHI_3$

$$H_2C \longrightarrow OH$$
 $HC \longrightarrow OH$
 $HC \longrightarrow OH$
 A
 $H_2C \longrightarrow CH \longrightarrow CH_2$
 $H_2C \longrightarrow HC \longrightarrow CH$
 $H_2C \longrightarrow HC \longrightarrow COCOCH_3$
 $H_2C \longrightarrow OCOCH_3$
 $H_2C \longrightarrow OCOCH_3$
 $H_2C \longrightarrow OCOCH_3$

Glycerol is more viscous than ethylene glycol becoz of more no of H-bonding

B.
$$\frac{Mg}{ether}$$
 $\frac{Mg}{ether}$ $\frac{H_2C}{Cl}$ $\frac{Mg}{ether}$ $\frac{$

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$$\frac{\text{Br}}{\text{ether}} \xrightarrow{\text{CH}^{-+} \text{MgBr}}$$

4.

5. A.

$$\begin{array}{c|c} CI & NH_2 & OH \\ \hline \hline KNH_2 & HNO_2 \\ \hline Liquid NH_3 & 50^{0}C \end{array}$$

В.

C.

D.

$$O_2$$
 O_2
 O_2
 O_3
 O_4
 O_4
 O_5
 O_7
 O_8
 O_8
 O_8
 O_9
 O_9

$$NaOMe$$
 $*CH_3$
 $NaOMe$
 $MeOH$
 $*CH_3$
 $MeOH$
 $*CH_3$
 $*CH_3$
 $*CH_3$

6.

Sr. IPLCO_P2_Solutions

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other product

7

8.

$$\begin{array}{c|c} OH & O & OH \\ \hline & Br_2 & Br & Br & Br \\ \hline & H_2O & Br & Br \\ \hline \end{array}$$

white ppt

- 9.Conceptual
- 10. Conceptual
- 11. Conceptual

12.

13.

$$H_3C$$
 CH_3
 H_3C
 CH_3
 CH_3

$$H_3$$
C CH_2 H_3 C CH_2 H_3 C CH_3 CH_3 CH_3 CH_3 CH_4 CH_5 CH_5 CH_5 CH_5 CH_5 CH_5 CH_5 CH_5 CH_6 CH_7 CH_8 CH_8 CH_9 CH_9

15. 16.

17.

CI-CH=C=CH₂
$$\xrightarrow{H^+}$$
 CI-CH₂-C-CH₃ $\xrightarrow{i.LiAlH_4}$ H₃C-CH-CH₃ $\xrightarrow{i.LiAlH_4}$ H₃C-CH-CH₃ $\xrightarrow{i.LiAlH_4}$ H₃C-CH-CH₃

18.

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$$H_{2}C - OH O C - OH OC - OH OC$$

19. Conceptual

20. pKa of $H_2CO_3 = 6.30$