



# 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  
Time: 3 Hours

JEE-ADVANCE  
2011-P2-Model

Date: 18-10-15  
Max Marks: 240

## KEY & SOLUTIONS

### CHEMISTRY

1	D	2	A	3	D	4	B	5	B	6	D
7	C	8	B	9	A	10	BCD	11	CD	12	A
13	2	14	3	15	0	16	5	17	0	18	3
19	A-PT, B-PS, C-PQ, D-PR	20	A-PQST, B-PQR, C-PS, D-PS								

### PHYSICS

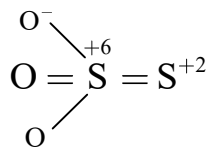
21	D	22	C	23	A	24	C	25	B	26	B
27	C	28	C	29	AD	30	AD	31	AC	32	BC
33	1	34	9	35	7	36	5	37	9	38	5
39	A-S; B-QT; C-R; D-PT	40	A-PRT; B-QS; C-Q; D-S;								

### MATHEMATICS

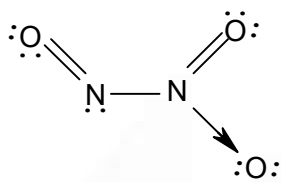
41	B	42	C	43	A	44	B	45	C	46	B
47	C	48	D	49	BC	50	ABCD	51	BD	52	AD
53	2	54	2	55	1	56	4	57	1	58	3
59	A-R, B-P, C-PQR, D-S	60	A-R, B-RS, C-RS, D-PR								

**CHEMISTRY**

1. Due to hydrogen bond it can't liberate  $H_2$

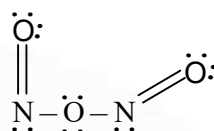


2.



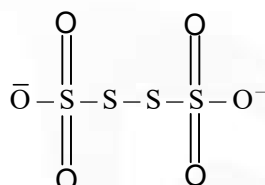
3.

Asymm. form



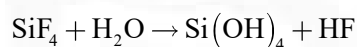
Symm.form

Lone pair is eight



5. X is  $S_4O_6^{-2}$  :

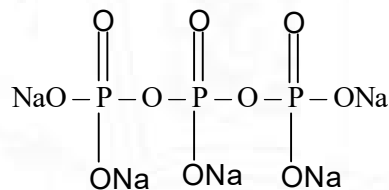
6.  $SiF_4$  can't under go complete hydrolysis :



7. X is  $C_3O_2$  :  $O = C = C = C = O$ .

No carbon is  $sp^2$

12.  $O_3$  can act as bleaching in dry state .Moist  $SO_2$  and  $Cl_2$  moist acts as bleaching agent



14. X =  $Na_5P_3O_{10}$

16. Cu, S, C, KBr, KI are oxidized by conc.  $H_2SO_4$

17.  $PH_3$  forms phosphonium salt only with strong anhydrous acid.