



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 : 3:00

JEE ADVANCED
2014_P2 MODEL

DATE : 27-12-15
MAX MARKS : 180

KEY & SOLUTIONS

PHYSICS

1	A	2	C	3	A	4	B	5	B	6	D
7	C	8	D	9	A	10	D	11	C	12	C
13	C	14	B	15	C	16	A	17	C	18	A
19	C	20	A								

CHEMISTRY

21	D	22	D	23	C	24	B	25	A	26	A
27	B	28	C	29	C	30	A	31	B	32	A
33	B	34	A	35	B	36	C	37	D	38	A
39	D	40	A								

MATHEMATICS

41	A	42	C	43	A	44	A	45	A	46	C
47	A	48	A	49	A	50	A	51	B	52	B
53	D	54	B	55	B	56	C	57	B	58	C
59	D	60	A								

CHEMISTRY

21. Conceptual

22. Conceptual

23. Conceptual

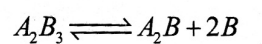
24. Conceptual

25. Conceptual

26.

$$P_{\text{initia}} = 76\text{cm} + 38\text{cm} = 114\text{cm Hg}$$

$$P_{\text{equilibrium}} = 76\text{cm} + 76\text{cm} = 152\text{cm Hg}$$



$$114-x \quad \quad x \quad \quad 2x$$

$$114 + 2x = 152 \Rightarrow x = \frac{38}{2} = 19\text{mm Hg}$$

$$\therefore \% \text{ dissociation } \frac{19}{114} \times 100 = 16.67\%$$

27. Conceptual

28. Conceptual

29. Conceptual

30. Conceptual

31. Conceptual

32. Conceptual

33. Conceptual

34. Conceptual

35. Conceptual

36. Conceptual

37. Conceptual

38. Conceptual

39. Conceptual

40. Conceptual