

ENTHUSIAST ADVANCE COURSE

PHASE : MEA, B, C, D, L, M, N, O, P & Q

TARGET : PRE MEDICAL 2025

Test Type : MAJOR

Test Pattern : NEET (UG)

TEST DATE : 08-12-2024

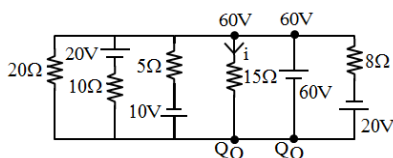
ANSWER KEY

Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A.	4	3	1	3	4	1	4	2	2	1	3	4	4	2	2	3	2	2	1	3	1	3	1	2	2	4	1	1	3	3
Q.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
A.	2	3	2	2	1	2	2	1	3	2	1	2	1	4	3	4	4	1	1	2	3	4	1	1	4	3	2	4	2	3
Q.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
A.	2	4	3	3	1	4	4	2	2	2	3	3	4	4	4	3	3	1	1	4	3	3	1	2	3	1	2	2	3	1
Q.	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
A.	2	2	1	4	3	1	2	2	4	3	2	4	2	1	4	2	1	2	2	4	1	4	1	4	3	4	2	4	4	1
Q.	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
A.	2	3	3	2	4	1	2	1	4	4	1	2	2	4	3	2	4	2	3	1	3	3	1	3	2	4	2	1	1	2
Q.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
A.	2	1	3	4	4	2	1	3	2	4	3	4	1	4	4	4	4	3	1	1	4	3	3	2	1	1	2	4	3	1

HINT - SHEET

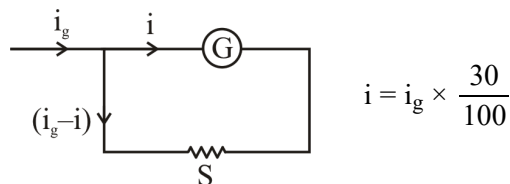
1. **Ans (4)**

Relative potential Method.



$$i = \frac{60 - 0}{15} = 4 \text{ Amp (From P to Q)}$$

2. **Ans (3)**



$$iG = (i_g - i)S$$

$$i_g \frac{3}{10} \times 10 = \left(i_g - i_g \times \frac{3}{10} \right) S$$

$$3i_g = i_g \left(\frac{7}{10} \right) S$$

$$\Rightarrow 30 = 7S$$

$$S = \frac{30}{7} \Omega$$

3. **Ans (1)**

$$I_S = \frac{nBA}{C} = 5 \text{ div/mA}$$

$$V_S = \frac{nBA}{CR} = 20 \text{ div/v}$$

Where C = releasing torque

$$\text{So, } V_S = \frac{I_S}{R}$$

$$20 = \frac{\left(\frac{5}{10^{-3}} \right)}{R}$$

$$R = \frac{5}{20 \times 10^{-3}}$$

$$R = 250 \Omega$$

4. **Ans (3)**

$$P_{\max} \Rightarrow r = R$$

$$i = \frac{E_{eq}}{r_{eq} + R} = \frac{E_{eq}}{2r_{eq}}$$

$$= \frac{(1 + 2 + 3 \dots)}{2(1 + 2 + 3 \dots)} = \frac{1}{2} A$$

5. **Ans (4)**

When supplied voltage is equal to rated voltage then in series combination, power is given by

$$\frac{1}{P_S} = \frac{1}{P_1} + \frac{1}{P_2}$$

$$\frac{1}{P_S} = \frac{P_1 \times P_2}{P_1 + P_2} = \frac{200 \times 100}{200 + 100} = \frac{200}{3} = 66.67W$$

6. **Ans (1)**

$$V = \varepsilon - Ir$$

$$50 = \varepsilon - Ir = \varepsilon - 11r \quad \dots(1)$$

$$60 = \varepsilon - Ir = \varepsilon - 1r \quad \dots(2)$$

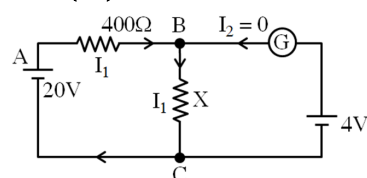
On solving (1) & (2)

$$(60 - 50) = (-1 + 11)r$$

$$10 = 10r$$

$$\therefore r = 1 \Omega$$

7. **Ans (4)**



As $I_2 = 0$

So, $V_{BC} = 4V$ and 400Ω

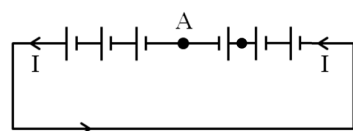
becomes in series with X

$$V_{AB} = 20 - 4 = 16V$$

$$I_1 = \frac{16}{400} = 40mA$$

$$\text{Across X : } X = \frac{4}{40m} = 100 \Omega$$

8. **Ans (2)**



$$\text{Total emf.} = 6E - 2E = 4E$$

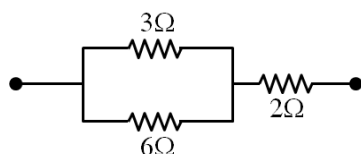
$$\text{Total resistance} = 6r$$

$$I = \frac{4E}{6r}$$

$$\therefore V_A = E + Ir$$

$$= E + \frac{4E}{6r} \times r = \frac{5E}{3}$$

9. **Ans (2)**



10. **Ans (1)**

Theory based

11. **Ans (3)**

$$I = \vec{J} \cdot \vec{A} = (2\hat{i} + 3\hat{j} + 4\hat{k}) \cdot (\hat{i} + \hat{j} + \hat{k})$$

$$= 2 + 3 + 4$$

$$I = 9A$$

12. **Ans (4)**

$$J = \frac{I}{A} = \frac{V}{RA} = \frac{V}{A} \times \frac{\sigma A}{\ell}$$

$$J = \frac{V\sigma}{\ell}$$

$$= \frac{50 \times 60 \times 10^6}{\ell}$$

$$J = 20 \times 10^6 \text{ A/m}^2$$

13. **Ans (4)**

$$\text{Figure of merit } K = \frac{E}{(R + G)} \cdot \frac{1}{\theta}$$

$$K_1 = \frac{2}{(5080)} \cdot \frac{1}{10} = 3.9 \times 10^{-5}$$

$$K_2 = \frac{4}{(10080)} \cdot \frac{1}{10} = 3.9 \times 10^{-5}$$

$$K = \frac{K_1 + K_2}{2} = 3.9 \times 10^{-5} \Rightarrow K \approx 4 \times 10^{-5}$$

14. **Ans (2)**

$$\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots + \frac{1}{R_n} = \frac{1}{x} \quad \dots (1)$$

$$\frac{1}{R_2} + \frac{1}{R_3} + \dots + \frac{1}{R_n} = \frac{1}{y} \quad \dots (2)$$

$$\frac{1}{R_1} + \frac{1}{y} = \frac{1}{x}$$

$$\frac{1}{R_1} = \frac{(y-x)}{xy}$$

$$\left(R_1 = \frac{(xy)}{(y-x)} \right)$$

15. **Ans (2)**

$$R_{t1} = R_0(1 + \alpha t_1)$$

$$R_{t2} = R_0(1 + \alpha t_2)$$

$$\text{Dividing } \frac{R_{t1}}{R_{t2}} = \frac{1 + \alpha t_1}{1 + \alpha t_2}$$

$$\frac{100}{200} = \frac{1 + 100\alpha}{1 + \alpha t}$$

$$\text{Solving } t = 300^\circ\text{C}$$

16. **Ans (3)**

$$\text{For A : } L = \ell ; A = \ell t$$

$$R_A = \frac{\rho \ell}{\ell t} = \frac{\rho}{t} \quad \dots \dots (I)$$

$$\text{For B : } L = 2\ell ; A = 2\ell t$$

$$R_B = \frac{\rho(2\ell)}{(2\ell t)} = \frac{\rho}{t} \quad \dots \dots (II)$$

$$\therefore \frac{R_A}{R_B} = \frac{1}{1}$$

17. Ans (2)

$$L_i = \ell ; L_f = \ell + \frac{40\ell}{100} = 1.4\ell \dots\dots\dots(I)$$

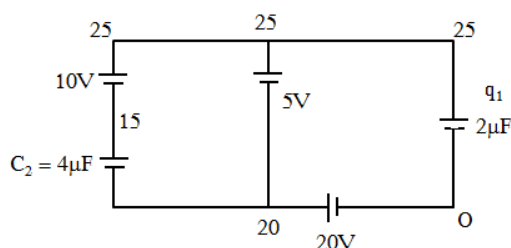
Volume remains constant

$$A_f = \frac{\ell A}{1.4\ell} = \frac{A}{1.4} \dots\dots\dots(II)$$

$$\frac{R_f - R_i}{R_i} \times 100 = \frac{\frac{\rho(1.4\ell)}{(A/1.4)} - \frac{\rho\ell}{A}}{\frac{\rho\ell}{A}} \times 100$$

$$= [(1.4)^2 - 1] \times 100 = 96\%$$

18. Ans (2)

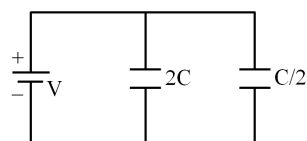


$$q_1 = 2 \times 25 = 50 \mu C$$

Potential of $4\mu F = 5V$

$$U = \frac{1}{2} 4 \times 25 = 50 \mu J$$

19. Ans (1)

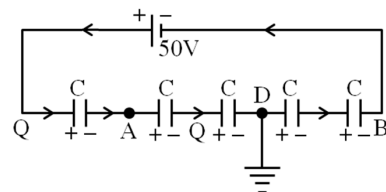


W.D by battery

$$= C_1 V_1^2 + C_2 V_2^2$$

$$= (2C)V^2 + \left(\frac{C}{2}\right)V^2 = \frac{5}{2} CV^2$$

20. Ans (3)



$$C_{eq} = \frac{C}{5} ; Q = \frac{C}{5} \times 50 = 10C ; V_D = 0$$

Apply K.V.L from D to A

$$V_D + \frac{Q}{C} + \frac{Q}{C} = V_A$$

$$V_A = \frac{2Q}{C} = \frac{2(10C)}{C}$$

$$V_A = 20V$$

Apply K.V.L from D to B

$$V_D - \frac{Q}{C} - \frac{Q}{C} = V_B$$

$$V_B = -20V$$

22. Ans (3)

$$E = \frac{dv}{dx} \quad \text{slope of } v - x = \tan \theta$$

$$E_1 \propto \tan \theta_1 \Rightarrow \frac{Q}{A\epsilon_0 K_1} \propto \tan \theta_1$$

$$E_2 \propto \tan \theta_2 \Rightarrow \frac{Q}{A\epsilon K_2} \propto \tan \theta_2$$

$$\frac{K_2}{K_1} = \frac{\tan \theta_1}{\tan \theta_2} \Rightarrow \frac{K_2}{K_1} = \frac{\cot \theta_2}{\cot \theta_1}$$

23. Ans (1)

$Q = \text{const.}$ (Battery removed) ;

$$C \rightarrow \text{decreases ; } \uparrow U = \frac{Q^2}{2C} \downarrow$$

$$E = \frac{Q}{A\epsilon_0 \epsilon_r} ; E' = \frac{Q}{A\epsilon_0}$$

$E = \text{field increases.}$

24. Ans (2)

$\therefore 55$ is 25% of 220

Clearly t_0 will be more than τ .

Because at τ time current reaches to 37% of maximum value.

25. Ans (2)

$$\text{Capacitor} \rightarrow \text{open ; } I = \frac{2}{4 + 1 + 5} = 0.2 A$$

Apply KVL to find Potential difference

26. Ans (4)

$$C = \frac{\epsilon_0 A}{\left(d - t + \frac{t}{K}\right)}$$

$$\text{Where } t = \frac{3d}{4}$$

27. Ans (1)

From the given graphs, find the voltages, V_A and

V_B , on capacitor A and B corresponding to

charge Q on each of the capacitors. Clearly,

$$V_A = \frac{Q}{C_A} \text{ and } V_B = \frac{Q}{C_B} \text{ or}$$

$$\frac{V_B}{V_A} = \frac{Q/C_B}{Q/C_A} = \frac{C_A}{C_B}$$

Since, $V_B > V_A$, $C_A > C_B$ i.e., the capacitor A

has the higher capacitance.

28. Ans (1)

$$C = \frac{\epsilon_0 A}{d} = \frac{8.854 \times 10^{-12} \times 6 \times 10^{-3}}{3 \times 10^{-3}}$$

$$C = 1.77 \times 10^{-11} \text{ F}$$

When the capacitor is connected to a 100 V supply, charge on each plate of the capacitor

$$q = CV = 1.77 \times 10^{-11} \times 100$$

$$q = 1.77 \times 10^{-9} \text{ C}$$

29. Ans (3)

Given, capacitance of capacitor $C_1 = 600 \text{ pF}$
 $= 600 \times 10^{-12} \text{ F}$ and supply voltage $V_1 = 200 \text{ V}$

$$C_2 = 600 \text{ pF} = 600 \times 10^{-12} \text{ F} \text{ and } V_2 = 0$$

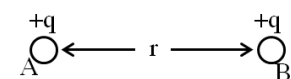
$$\text{Loss in energy (E)} = \frac{C_1 C_2 (V_1 - V_2)^2}{2(C_1 + C_2)}$$

$$\Rightarrow E = \frac{600 \times 10^{-12} \times 600 \times 10^{-12} (200 - 0)^2}{2(600 + 600) \times 10^{-12}}$$

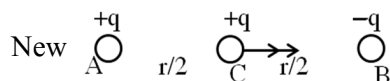
$$= 6 \times 10^{-6} \text{ J}$$

Thus, the $6 \times 10^{-6} \text{ J}$ amount of electrostatic energy is lost in the sharing of charges.

30. Ans (3)



$$F = \frac{Kq^2}{r^2} \quad \dots\dots(1)$$

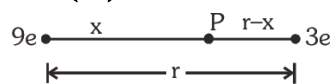


$$F_C = \frac{Kq^2}{(r/2)^2} + \frac{Kq^2}{(r/2)^2} = \frac{8Kq^2}{r^2} \quad \dots\dots(II)$$

\therefore From (I) and (II)

$$F_C = 8F \text{ N towards } -q$$

31. Ans (2)

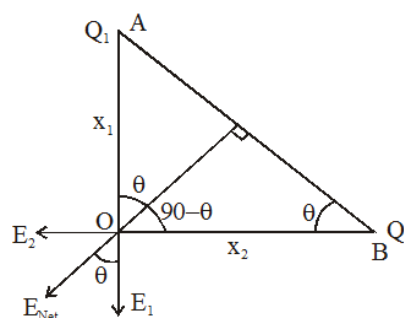


$$x = \frac{\sqrt{9}}{\sqrt{9} + \sqrt{3}} r = \frac{3r}{3 + \sqrt{3}}$$

$$x = \frac{r}{1 + \frac{\sqrt{3}}{3}} = \frac{r}{1 + \frac{1}{\sqrt{3}}}$$

From 9e charge

32. Ans (3)



$E_2 =$ electric field due to Q_2

$$= \frac{kQ_2}{x_2^2}$$

$$E_1 = \frac{kQ_1}{x_1^2}$$

From diagram

$$\tan \theta = \frac{E_2}{E_1} = \frac{x_1}{x_2}$$

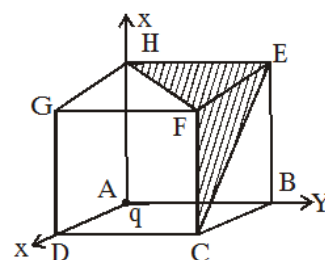
$$\frac{kQ_2}{x_2^2 \times \frac{kQ_1}{x_1^2}} = \frac{x_1}{x_2}$$

$$\frac{Q_2 x_1^2}{Q_1 x_2^2} = \frac{x_1}{x_2}$$

$$\frac{Q_2}{Q_1} = \frac{x_2}{x_1}$$

$$\frac{Q_1}{Q_2} = \frac{x_1}{x_2}$$

33. Ans (2)



$$\text{flux through cube} = \frac{q}{8\epsilon_0}$$

flux through surfaces ABEH, ADGH, ABCD will be zero

$$\phi(\text{EFGH}) = \phi(\text{DCFG}) = \phi(\text{EBCF}) = \left(\frac{q}{24\epsilon_0} \right)$$

34. Ans (2)

$$qE = Mg$$

$$neE = \rho \left(\frac{4}{3} \pi r^3 \right) \times g$$

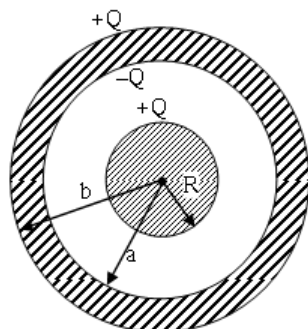
$$n \times 1.6 \times 10^{-19} \times 3.55 \times 10^5$$

$$= 3 \times 10^3 \times \frac{4}{3} \times \pi \times (2 \times 10^{-3})^3 \times 9.81$$

$$n = 173 \times 10^{(3-9-5+19)}$$

$$n = 1.73 \times 10^{10}$$

35. Ans (1)

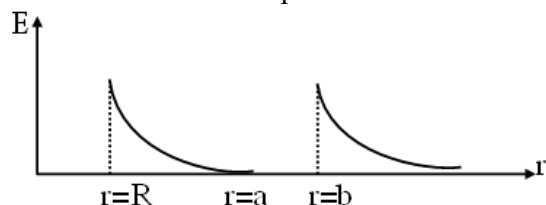


$$r < R, E = 0$$

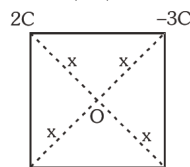
$$R \leq r < a \quad E = \frac{kQ}{r^2}$$

$$a \leq r < b, \quad E = 0$$

$$r \geq b \quad E = \frac{kQ}{r^2}$$



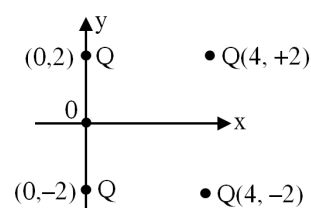
36. Ans (2)



$$V_O = \frac{k(2C)}{x} + \frac{k(-3C)}{x} + \frac{k(-4C)}{x} + \frac{k(5C)}{x}$$

$$V_O = 0, E_O \neq 0$$

37. Ans (2)



$$\text{Potential at origin} = \frac{KQ}{2} + \frac{KQ}{2} + \frac{KQ}{\sqrt{20}} + \frac{KQ}{\sqrt{20}}$$

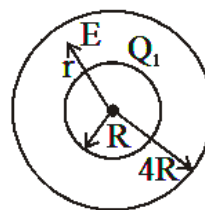
(Potential at $\infty = 0$)

$$= KQ \left(1 + \frac{1}{\sqrt{5}} \right)$$

\therefore Work required to put a fifth charge Q at

$$\text{origin is equal to } \frac{Q^2}{4\pi\epsilon_0} \left(1 + \frac{1}{\sqrt{5}} \right)$$

38. Ans (1)



$$E = \frac{KQ_1}{r^2}$$

$$\Delta V = \int_R^{4R} E \, dr = \frac{3KQ_1}{4R}$$

39. Ans (3)

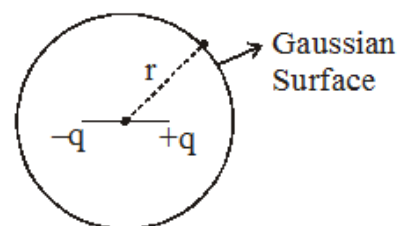
Potential of $-q$ is same as initial and final point of the path therefore potential due to $4q$ will only change and as potential is decreasing the energy will decrease

$$\text{Decrease in potential energy} = q(V_i - V_f)$$

Decrease in potential energy

$$= q \left[\frac{k4q}{d/2} - \frac{k4q}{3d/2} \right] = \frac{4q^2}{3\pi\epsilon_0 d}$$

40. Ans (2)

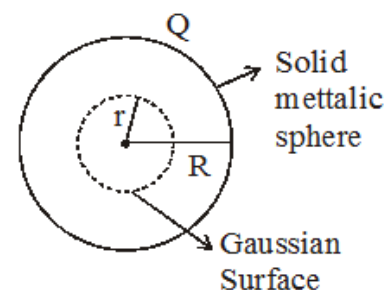


$$\oint \vec{E} \cdot d\vec{s} = \frac{q_{in}}{\epsilon_0} = 0 = \phi$$

Flux of \vec{E} through sphere is zero

But $\oint \vec{E} \cdot d\vec{s} = 0 \Rightarrow \{\vec{E} \cdot d\vec{s} \neq 0\}$ for small section ds only

Statement-2



As charge enclosed within gaussian surface is equal to zero.

$$\phi = \oint \vec{E} \cdot d\vec{s} = 0$$

Option(2) statement-1 correct statement-2 false.

41. **Ans (1)**

As outer sphere is earthed, the charge on its outer surface is zero.

So, the E.F. out side it will be zero

42. **Ans (2)**

When a positively charged body connected to earth, electrons flows from earth to body and body becomes neutral.

43. **Ans (1)**

New charges will be $-2\mu\text{C}$ and $+3\mu\text{C}$.

$$\text{In first case; } 40 = \frac{1}{4\pi\epsilon_0} \times \frac{3 \times 8}{r^2}$$

$$\text{In second case ; } F = \frac{1}{4\pi\epsilon_0} \times \frac{(-2 \times 3)}{r^2}$$

$$\therefore \frac{F}{40} = \frac{-2 \times 3}{3 \times 8}$$

$$\text{or } F = -10 \text{ N}$$

44. **Ans (4)**

Theory based

45. **Ans (3)**

Electric field is due to all charges that are present inside and outside the Gaussian surface

49. **Ans (1)**

$$25^\circ\text{C} \rightarrow 35^\circ\text{C} \rightarrow 45^\circ\text{C} \rightarrow 55^\circ\text{C} \rightarrow 65^\circ\text{C} \rightarrow 75^\circ\text{C}$$

$$2 \times 2 \times 2 \times 2 \times 2 = 2^5 = 32 \text{ times}$$

50. **Ans (2)**

$$k = Ae^{-E_a/RT}$$

$$\ln k = \ln A - E_a/RT$$

For $\ln k$ vs $1/T$

$\ln A$ = intercept

$$-E_a/R = \text{Slope} = -2 \times 10^4 \text{ K}$$

$$E_a = R \times 2 \times 10^4 \text{ K} = 8.3 \times 2 \times 10^4 \text{ J mol}^{-1}$$

$$= 16.6 \times 10^4 \text{ J mol}^{-1} \text{ or } 166 \text{ KJ mol}^{-1}$$

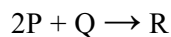
51. **Ans (3)**

$$\Delta H = E_a - E_b$$

$$5 = 15 - E_b$$

$$E_b = 15 - 5 = 10 \text{ kJ mol}^{-1}$$

52. **Ans (4)**



differential rate equation

$$-\frac{1}{2} \frac{d[P]}{dt} = -\frac{d[Q]}{dt} = \frac{d[R]}{dt} = R[P]^2[Q]$$

62. **Ans (4)**

Copper is less reactive than Fe

68. **Ans (2)**

Theory Based

70. **Ans (2)**

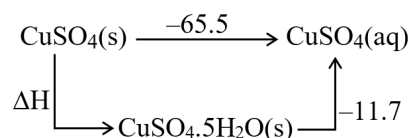
$$S = \sqrt{k_{sp}} = \sqrt{1 \times 10^{-10}}$$

$$S = 10^{-5}$$

$$\Lambda_m^\circ = \frac{\kappa \times 1000}{S}$$

$$144 = \frac{\kappa \times 1000}{10^{-5}}$$

74. **Ans (4)**



$$-65.5 = \Delta H + (-11.7)$$

$$\Delta H = -53.8 \text{ kJ/mol}$$

76. **Ans (3)**

$$\text{Eq. KMnO}_4 = \text{Eq. C}_2\text{O}_4$$

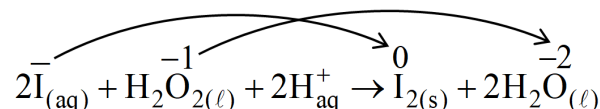
$$.025 \times 5 \times 20 = 0.1 \times 2 \times V$$

$$V = 12.5 \text{ ml}$$

77. **Ans (3)**

pH range for titration is 6 to 11.

78. **Ans (1)**



83. **Ans (1)**

$$\frac{Y_A}{Y_B} = \frac{P_A^\circ X_A}{P_B^\circ X_B}$$

$$\frac{4}{5} = \frac{1}{5} \frac{X_A}{X_B} \Rightarrow \frac{X_A}{X_B} = 4$$

$$\Rightarrow X_B = \frac{1}{5}$$

91. **Ans (2)**

NCERT-XI Pg. No. # 65

92. **Ans (2)**

NCERT-XI Pg. No. # 67

93. **Ans (1)**

NCERT-XI Pg. No. # 61

94. **Ans (4)**
NCERT-XI Pg. No. # 65
95. **Ans (3)**
NCERT-XI Pg. No. # 64
96. **Ans (1)**
NCERT-XI Pg. No. # 62
97. **Ans (2)**
NCERT-XI Pg. No. # 64
98. **Ans (2)**
NCERT-XI, Pg. # 61
99. **Ans (4)**
NCERT-XI Pg. No. # 64
100. **Ans (3)**
NCERT-XI Pg. No. # 58
101. **Ans (2)**
NCERT-XI Pg. No. # 74
102. **Ans (4)**
NCERT-XI Pg. No. # 72
103. **Ans (2)**
NCERT-XI Pg. No. # 74
104. **Ans (1)**
NCERT-XI Pg. No. # 71
105. **Ans (4)**
NCERT-XI Pg. No. # 72
106. **Ans (2)**
NCERT-XI Pg. No. # 74,76
107. **Ans (1)**
NCERT-XI Pg. No. # 76
108. **Ans (2)**
NCERT-XI Pg. No. # 73-74
109. **Ans (2)**
NCERT-XI Pg. # 76-77
110. **Ans (4)**
NCERT-XI Pg. # 74
111. **Ans (1)**
NCERT-XII Pg. # 6

112. **Ans (4)**
NCERT-XII Pg. # 14
113. **Ans (1)**
NCERT-XII Pg. # 10
114. **Ans (4)**
NCERT-XII Pg. # 11
115. **Ans (3)**
NCERT-XII Pg. # 10,11
116. **Ans (4)**
NCERT-XII Pg. # 13
117. **Ans (2)**
NCERT-XII Pg. # 7
118. **Ans (4)**
NCERT-XII Pg. # 7
119. **Ans (4)**
NCERT-XII Pg. # 12
120. **Ans (1)**
NCERT-XII Pg. # 15
121. **Ans (2)**
NCERT-XII Pg. # 9
122. **Ans (3)**
NCERT-XII Pg. # 18, 19
123. **Ans (3)**
NCERT-XI Pg. No. # 69
124. **Ans (2)**
NCERT-XI Pg. No. # 62
125. **Ans (4)**
NCERT-XI Pg. No. # 63
126. **Ans (1)**
NCERT-XI Pg. No. # 65
127. **Ans (2)**
NCERT-XI Pg. 72
128. **Ans (1)**
NCERT-XI Pg # 75,76,74
129. **Ans (4)**
NCERT-XI (old) Pg. # 85

130. **Ans (4)**
NCERT-XI Pg. 76-77
131. **Ans (1)**
NCERT XII Pg. No. 20
132. **Ans (2)**
NCERT-XII, Pg # 9-11
133. **Ans (2)**
NCERT-XII Pg.# 20, 11, 13
134. **Ans (4)**
NCERT XII_Pg. No. 18
135. **Ans (3)**
NCERT XII_Pg. No. 20
136. **Ans (2)**
NCERT-XII, Pg. # 27,28,29,31
137. **Ans (4)**
NCERT-XII, Pg. # 27, 28, 29, 30
139. **Ans (3)**
NCERT-XII, Pg. # 34, 35
140. **Ans (1)**
NCERT-XII, Pg. No. # 32
141. **Ans (3)**
NCERT-XII, Pg. # 31
142. **Ans (3)**
NCERT-XII, Pg. # 31
143. **Ans (1)**
NCERT-XII, Pg. # 30
144. **Ans (3)**
NCERT-XII, Pg. # 37 (E)
145. **Ans (2)**
NCERT-XII, Pg. # 36
146. **Ans (4)**
NCERT-XII, Pg. # 31, 32, 35
148. **Ans (1)**
NCERT-XII, Pg. # 27

149. **Ans (1)**
NCERT-XII, Pg. # 27
151. **Ans (2)**
NCERT-XII, Pg # 31
152. **Ans (1)**
NCERT-XII, Pg # 30
153. **Ans (3)**
NCERT-XII, Pg. # 27
154. **Ans (4)**
NCERT-XII, Pg. # 32
169. **Ans (1)**
NCERT-XII, Pg. # 46
170. **Ans (1)**
NCERT-XII, Pg. # 48
171. **Ans (4)**
NCERT-XII, Pg. # 48
172. **Ans (3)**
NCERT-XII, Pg. # 48
173. **Ans (3)**
NCERT-XII, Pg. # 44
174. **Ans (2)**
NCERT-XII, Pg. # 44
175. **Ans (1)**
NCERT-XII, Pg. # 46
176. **Ans (1)**
NCERT-XII, Pg. # 44, 45
177. **Ans (2)**
NCERT-XII, Pg. # 49
178. **Ans (4)**
NCERT-XII, Pg. # 46
179. **Ans (3)**
NCERT-XII, Pg. # 45, 46, 48
180. **Ans (1)**
NCERT-XII, Pg. # 45