CLASSROOM CONTACT PROGRAMME

(Academic Session : 2024 - 2025)

ENTHUSE COURSE

PHASE : MEA,MEB,MEC,MED,MEL,MEM,MEN,MEO,MEP,MEQ

TARGET : PRE-MEDICAL 2025

Test Type : **SRG-MAJOR** Test Pattern : **NEET (UG)**

TEST DATE : 11-12-2024

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	4	2	3	1	3	2	2	2	4	2	2	1	1	2	3	1	2	3	1	2	1	3	1	4	1	3	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	1	4	1	1	3	1	3	2	1	4	1	3	4	2	2	1	3	4	3	2	3	2	4	4	4	4	4	1	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.	4	4	4	3	2	2	3	2	4	4	3	3	4	3	4	1	4	2	1	1	1	1	3	1	1	4	4	4	4	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.	4	2	2	3	4	4	1	1	3	1	2	1	1	2	3	1	4	1	3	1	4	4	1	4	4	1	4	4	2	3
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.	4	3	4	1	4	1	4	3	3	4	1	3	3	3	1	4	3	3	2	4	2	2	1	3	2	3	4	3	2	3
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.	4	4	3	1	3	2	3	1	4	2	2	3	4	2	4	4	1	3	1	4	2	3	4	3	2	1	3	3	2	4
Q.	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200										
A.	1	4	1	4	3	3	4	1	3	4	2	1	3	4	3	2	4	2	4	4										

HINT – SHEET

SUBJECT : PHYSICS

SECTION - A

1. Ans (4)

Gauss law of magnetism $\oint \vec{B} \cdot \vec{ds} = 0$

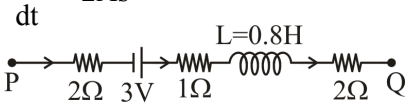
modified Ampere's circuital law

$$\oint \vec{B} \cdot \vec{dl} = \mu_0 \left(I + \epsilon_0 \frac{d\phi_E}{dt} \right)$$

2. Ans (4)

$I = 3A$

$$\frac{dI}{dt} = 2As^{-1}$$



$v_P - 3 \times 2 + 3 - 3 \times 1 - 0.8 \times 2 - 3 \times 2 = v_Q$

$v_P - v_Q = 13.6\ V$

3. Ans (2)

$$L = \frac{\mu_0 N^2 \pi r^2}{\ell}$$

$\because 2\pi rN = \ell_1'$

$$r = \frac{\ell_1'}{2\pi N} ; L = \frac{\mu_0 N^2 \pi}{\ell} \frac{\ell^2}{4\pi^2 N^2}$$

$$\ell_1^2 = \frac{4\pi L\ell}{\mu_0} ; \ell_1 = \sqrt{\frac{4\pi L\ell}{\mu_0}}$$

4. Ans (3)

$I = I_0(1 - e^{-t/\tau})$

$$e = \frac{LdI}{dt}$$

5. Ans (1)

$$\because L \propto \frac{Area}{\ell} ; L \propto \frac{r^2}{\ell}$$

$$\frac{L_1}{L_2} = \left(\frac{r_1}{r_2}\right)^2 \times \frac{\ell_2}{\ell_1} = \frac{1}{4} \times \frac{2}{1} = \frac{1}{2}$$

6. Ans (3)

$$\bar{i^2} = \frac{\int i^2 dt}{\int dt} = \frac{\int_2^4 (4t) dt}{\int_2^4 dt} = \frac{4\int_2^4 dt}{2}$$

$$= 2\left[\frac{t^2}{2}\right]_2^4 = \left[t^2\right]_2^4 = 12$$

$$\Rightarrow i_{rms} = \sqrt{\bar{i^2}} = \sqrt{12} = 2\sqrt{3}\,A$$

7. Ans (2)

$$R = X_C = 2X_L$$

$$Z = \sqrt{R^2 + (X_L - X_C)^2}$$

$$Z = \sqrt{R + (X_L - 2X_L)^2} = \sqrt{R^2 + X_L^2}$$

$$= \sqrt{R^2 + \left(\frac{R}{2}\right)^2} = \frac{\sqrt{5}}{2}R$$

Also, $\tan\phi = \left|\frac{X_L - X_C}{R}\right|$

$$= \left|\frac{X_L - 2X_L}{R}\right| = \left|\frac{R/2}{R}\right| = \frac{1}{2}$$

$$\phi = \tan^{-1}\left(\frac{1}{2}\right)$$

8. Ans (2)

Voltage leads current by $\frac{\pi}{2}$ angle

9. Ans (2)

Area of hysteresis loop is greater for hard magnetic material.

10. Ans (4)

$$\vec{F} = q(\vec{v} \times \vec{B}) = -(\hat{i} \times -\hat{k}) = -\hat{j}$$

11. Ans (2)

Temperature above the curie temperature ferromagnetic material become paramagnetic.

12. Ans (2)

$$\vec{\tau} = \vec{M} \times \vec{B} = \left(50\hat{i}\right) \times \left(0.5\hat{i} + 3\hat{j}\right) = 150\hat{k}$$

14. Ans (1)

$$B_{PSR} = \frac{\mu_0}{4\pi}\frac{I}{r}(2\pi - 2\phi) \quad ....(i)$$

$$B_{PQR} = \frac{\mu_0}{4\pi}\frac{I}{d}(\sin\phi + \sin\phi)$$

$$= \cos\phi = \frac{d}{r} \Rightarrow d = r\cos\phi$$

$$B_{PQR} = \frac{\mu_0}{4\pi} \cdot \frac{I}{r\cos\phi}(2\sin\phi)$$

$$= \frac{\mu_0}{4\pi} \cdot \frac{2I\tan\phi}{r} \quad ...(ii)$$

$\therefore B_0 = B_{PSR} + B_{PQR}$

$$B_0 = \frac{\mu_0 I}{2\pi r}[\pi - \phi + \tan\phi]$$

15. Ans (2)

Force due to E.F. $= -\hat{i}$

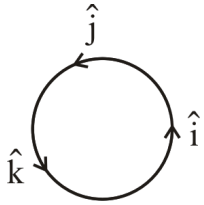
$\therefore$ Force due to M.F. $= +\hat{i}$

$\vec{F}_B = q(\vec{v} \times \vec{B})$

$\hat{i} = -e(\hat{k} \times \vec{B})$

$\hat{i} \leftarrow -(\hat{k} \times \hat{B})$

So, $\hat{B} = \hat{j}$



16. Ans (3)

$$B = \frac{\mu_0 I}{4R} + \frac{\mu_0 I}{4r}; \quad \frac{\mu_0 I}{4}\left[\frac{1}{R} + \frac{1}{n}\right]$$

$$B = \frac{\mu_0 I}{4}\left(\frac{R + r}{Rr}\right)$$

17. Ans (1)

(a) $B_c = \mu_0 nI$

$$= 4\pi \times 10^{-7} \times \frac{10}{(10^2)^{-1}} \times 5$$

$$= 2\pi \times 10^{-3}\ T$$

(b) $B_{exd} = \frac{1}{2}\ B_c = \pi \times 10^{-3}\ T$

18. Ans (2)

$$C = \frac{E_0}{B_0}$$

$$E_0 = 3 \times 10^8 \times 20 \times 10^{-9} = 6 Vm^{-1}$$

19. Ans (3)

$$e = -\frac{d\phi}{dt} = -\tan\theta$$

20. Ans (1)

$$L = \frac{\mu_0 N^2 A}{\ell} = \frac{\mu_0 N^2(\pi r^2)}{2\pi R_m} = \frac{\mu_0 N^2 r^2}{2R_m}$$

21. Ans (2)

$$v = \frac{1}{\sqrt{\mu_0 \in_0}} \quad \text{(in vacuum)}$$

$$v = \frac{1}{\sqrt{\mu \in}} \quad \text{(in medium)}$$

22. Ans (1)

$$V_{rms} = \sqrt{\frac{1}{T}\int_0^T 10^2 dt} = 10\ V$$

23. Ans (3)

$$i_{WL} = i_{rms}\sin\phi \Rightarrow \sqrt{3} = 2\sin\phi \Rightarrow \sin\phi = \frac{\sqrt{3}}{2}$$

$\Rightarrow \phi = 60^o$ so p.f. $= \cos\phi = \cos 60^o = \frac{1}{2}$.

24. Ans (1)

For dc, $R = \frac{V}{i} = \frac{100}{1} = 100\,\Omega$

For ac, $Z = \frac{V}{i} = \frac{100}{0.5} = 200\,\Omega$

$\because Z = \sqrt{R^2 + (\omega L)^2}$

$\Rightarrow 200 = \sqrt{(100)^2 + 4\pi^2(50)^2L^2}$

$\therefore L = 0.55$ H

25. Ans (4)

$R = \sqrt{3}\pi\Omega$

$\phi = 30°$ $f = 50$ Hz

$\tan\phi = \frac{X_L}{R} = \frac{2\pi f_L}{R}$

$L = \frac{R\tan\phi}{2\pi f} = \frac{\sqrt{3}\pi \times 1}{2\pi \times 50 \times \sqrt{3}}$

$= 0.01$ Henry

26. Ans (1)

$Z = \frac{V}{I} = \frac{220}{2.2} = 100\Omega$

$Z = R = 100\Omega$

$X_L = X_C = \omega_L = 100\pi \times \frac{1}{\pi}$

$\therefore X_L = X_C = 100\Omega$

$\cos\phi = \frac{R}{Z} = \frac{R}{\sqrt{R^2 + X_C^2}} = \frac{1}{\sqrt{2}}$

27. Ans (3)

Resonant linear frequency

$f = \frac{1}{2\pi\sqrt{LC}} \Rightarrow f \propto \frac{1}{\sqrt{LC}} \Rightarrow \frac{f_2}{f_1} = \sqrt{\frac{L_1C_1}{L_2C_2}}$

$\Rightarrow \frac{f_2}{500\text{ KHz}} = \sqrt{\frac{LC}{(2L)\left(\frac{C}{8}\right)}}$

$\Rightarrow \frac{f_2}{500\text{ KHz}} = \sqrt{4}$

$\Rightarrow f_2 = 500\text{ KHz} \times 2 \Rightarrow f_2 = 1000\text{ KHz}$

28. Ans (1)

$V^2_{rms} = \frac{\int_0^{T/4} V^2 dt}{\int_0^{T/4} dt}$

$V^2_{rms} = \frac{\int_0^{T/4} \left(\frac{4V_0}{T}t\right)^2 dt}{T/4} = \left(\frac{4}{T}\right)^3 V_0^2 \int_0^{T/4} t^2 dt$

$= \left(\frac{4}{T}\right)^3 \frac{V_0^2}{3}\left(\frac{T}{4}\right)^3 = \frac{V_0^2}{3}$

$V_{rms} = \frac{V_0}{\sqrt{3}}$

29. Ans (3)

Quality factor $= \frac{f_r}{\Delta w}$

30. Ans (3)

Diamagnetic material repel the magnetic field.

31. Ans (2)

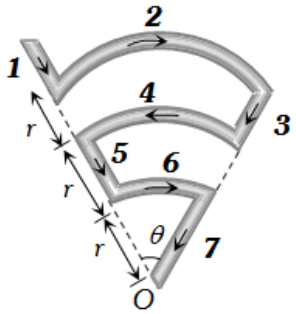
$B \propto N^2 \Rightarrow B_{new} = 9\,B_0$

33. Ans (4)

$r = \frac{mv\sin\theta}{qB}$

34. Ans (1)

$B_1 = B_3 = B_5 = 0$



$B_2 = \frac{\mu_0}{4\pi}\cdot\frac{\theta i}{3r}\otimes$, $B_4 = \frac{\mu_0}{4\pi}\cdot\frac{\theta i}{2r}\odot$

and $B_6 = \frac{\mu_0}{4\pi}\cdot\frac{\theta i}{r}\otimes$

$\therefore$ Net magnetic field at O,

$B_{net} = B_2 - B_4 + B_6$

$= \frac{\mu_0}{4\pi}\cdot\frac{\theta i}{r}\left(\frac{1}{3} - \frac{1}{2} + 1\right) = \frac{5\mu_0\theta i}{24\pi r}$

35. Ans (1)

Let OP = ℓ = OS

$\therefore$ PS = $\sqrt{2}\ell$ and RP = 2ℓ

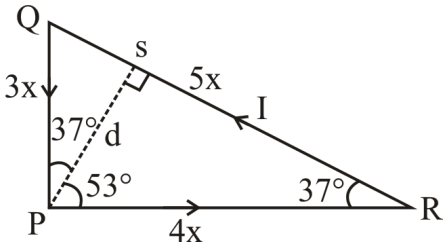
F $\propto$ length

So $\frac{F_{PQR}}{F_{PS}} = \frac{2\ell}{\sqrt{2}\ell}$

$F_{PQR} = \sqrt{2}F$

SECTION - B

36. Ans (3)



ΔQPS

$\cos 37^o = \frac{d}{3x} \Rightarrow d = 3x \times \frac{4}{5} = \frac{12x}{5}$

$B_{PQ} = B_{PR} = 0$

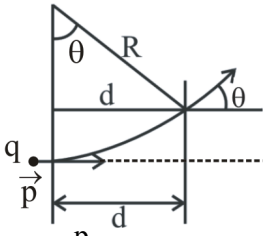
$B_{RQ} = \frac{\mu_0}{4\pi} \cdot \frac{I}{d}(\sin 37^o + \sin 53^o)$

$= \frac{\mu_0}{4\pi} \cdot \frac{I(5)}{(12x)}\left[\frac{3}{5} + \frac{4}{5}\right] = 7\left(\frac{\mu_0 I}{48\pi x}\right)$

$\therefore$ comparing

k = 7

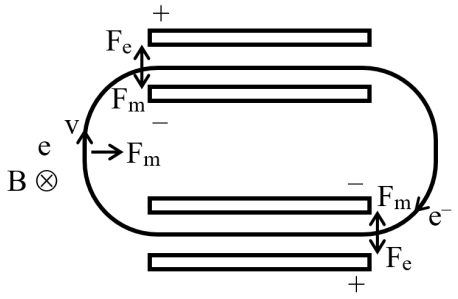
37. Ans (1)



$R = \frac{p}{qB}$

$\sin\theta = \frac{d}{R} = \frac{dqB}{p}$

38. Ans (3)



40. Ans (1)

$X_L > X_C \Rightarrow$ Voltage leads the current.

41. Ans (4)

The force on a charge particle moving in a uniform magnetic field always acts in direction perpendicular to the direction of motion of the charge. As work done by magnetic field on the charge is zero, [W = FS cos θ], so the energy of the charged particle does not change.

42. Ans (1)

$B_c = \frac{\mu_0}{5\pi}\frac{I}{R}(\theta_R)$

$B = \frac{\mu_0 I}{4\pi r}(\sin\theta_1 + \sin\theta_2)$

43. Ans (3)

y- co-ordinate of point A and B

$y^2 = 2x = 2(2) = 4$

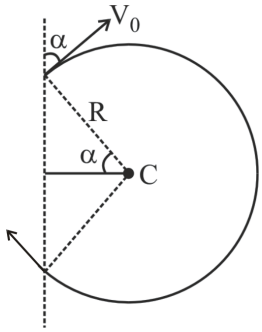
$y = \pm 2$

$\therefore$ effective length BA = 4m

$\vec{F} = I\vec{\ell} \times \vec{B} = 2(4)\hat{j} \times (-4\hat{k})$

$= -32\,\hat{i}$ N

44. Ans (4)



(A) $\alpha = \beta$

(B) $V = V_0$ (Speed = constant)

(C) $PQ = 2(R\sin\alpha) = \frac{2mV_0}{qB}\sin\alpha$

(D) $\theta = \omega t$; $t = \frac{(2\pi - 2\alpha)m}{qB}$

45. Ans (2)

$\vec{F} = q(\vec{V} \times \vec{B})$

$\vec{F} \perp \vec{V}$

$\vec{F} \perp \vec{B}$

46. Ans (2)

$\vec{B}_{due}$ to infinite wire

$\vec{B}_1 = \frac{\mu_0 I}{2\pi b}\odot$

$\vec{B}$ due to coil of radius 'b'

$\vec{B}_2 = \frac{\mu_0 I}{2b}\odot$

$\vec{B}$ due to coil of radius 'a'

$\vec{B}_3 = \frac{\mu_0 I}{2a}\otimes$

As $\vec{B}_{net} = 0$

$\therefore \frac{\mu_0 I}{2\pi b} + \frac{\mu_0 I}{2b} = \frac{\mu_0 I}{2a}$ or $\frac{a}{b} = \frac{\pi}{1+\pi}$

48. Ans (3)

Terminal velocity is attained due to induced currents in copper pipe and not in the magnet.

49. Ans (4)

$P = i\,V = \frac{2}{2} i_0 \sin(\omega t + \phi) V_0 \sin \omega t$

$P = \frac{V_0 i_0}{2}[2\sin(\omega t + \phi)\sin \omega t]$

$= \frac{V_0 i_0}{2}[\cos(\omega t + \phi - \omega t) - \cos(wt + \phi + wt)]$

$P = \frac{V_0 i_0}{2}[\cos\phi - \cos(2\omega t + \phi)]$

$\therefore$ 2sinA sinB =cos(A − B)−cos(A + B)

50. Ans (3)

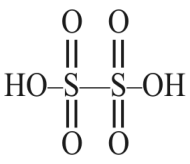
angular frequency $\omega = \frac{qB}{m}$

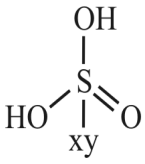
SUBJECT : CHEMISTRY

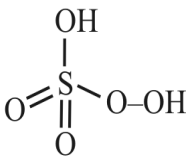
SECTION - A

53. Ans (2)

I. $H_2S_2O_6$ II. H_2SO_3 III. H_2SO_5







61. Ans (4)

NCERT, class 11th, part-1, Pg No: 323, Edition -2022-23

62. Ans (4)

NCERT-XII, part-1, Pg. # 199, Edition -2022-23

63. Ans (4)

He is less soluble in blood than nitrogen

71. Ans (3)

Mn = [Ar] $4s^2 3d^5$

73. Ans (4)

All can shows + 7 max. O.S.

75. Ans (4)

	EAN
$Ni(CO)_4$	36
$[Ni(CN)_4]^{-2}$	34

80. Ans (1)

Page-254, NCERT-XII, Part-I

83. Ans (3)

$[CrF_6]^{-4}$

$\Rightarrow Cr^{+2} \longrightarrow 3d^4$

$F^- \longrightarrow$ WFL $\longrightarrow$ No pairing

so unpaired $e^- = 4$

(b) $[MnF_6]^{-4}$

$Mn^{+2} \longrightarrow 3d^5$

$F^- \longrightarrow$ WFL $\longrightarrow$ No pairing

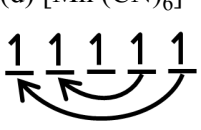
unpaired $e^- = 5$

(c) $[Cr(CN)_6]^{-4} \Rightarrow Cr^{+2} \Rightarrow d^4$

$CN^- \longrightarrow$ SFL

$\longrightarrow$ unpaired $e^- = 2$

(d) $[Mn(CN)_6]^{-4} \Rightarrow 3d^5$,



$\Rightarrow d^2sp^3$

unpaired $e^- = 1$

SECTION - B

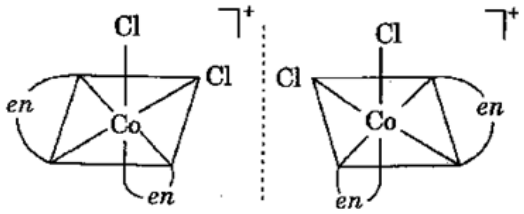
86. Ans (4)

$Na_2Cr_2O_7$ is hygroscopic so don't use is volumetric analysis.

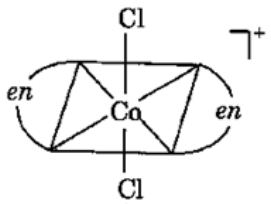
90. **Ans (1)**

$[Co(en)_2Cl_2]Cl$

$[M(AA)_2a_2]$ type



cis-isomer
(*d* and *l* forms)



trans-isomer

91. **Ans (4)**

$Gly^{-1} \longrightarrow$ Bidentate

Stability ↑, No of ring ↑

93. **Ans (2)**

$[Ni(dmg)_2]$ having 4 rings

97. **Ans (1)**

Zn^{+2} belongs to iv group.

99. **Ans (3)**

$Fe^{+3} + K_4[Fe(CN)_6] \longrightarrow Fe_4[Fe(CN)_6]_3$

$Fe^{+3} + SCN^- \longrightarrow [Fe(SCN)]^{+2}$

SUBJECT : BOTANY

SECTION - A

101. **Ans (2)**

NCERT XII Pg # 39

102. **Ans (1)**

NCERT XII pg no.72

103. **Ans (1)**

NCERT XII Pg. # 92 (Chromosomal Disorder)

104. **Ans (2)**

NCERT XII Pg. # 85 (Sex Determination)

105. **Ans (3)**

NCERT XII, Pg. # 54

106. **Ans (1)**

NCERT XII, Pg. # 73

107. **Ans (4)**

NCERT XII, Pg. # 74

108. **Ans (1)**

NCERT XII, Pg. # 68

109. **Ans (3)**

NCERT XII, Pg. # 54

110. **Ans (1)**

NCERT-XII, Pg. # 64

111. **Ans (4)**

NCERT-XII, Pg # 72

113. **Ans (1)**

NCERT-XII, Page No. 74, 77, 78, 79 (E), 82, 84, 85, 87 (H)

114. **Ans (4)**

NCERT-XII, Pg. # 86

115. **Ans (4)**

NCERT XII Page No. 24

118. **Ans (4)**

NCERT-XII Pg. # 87

120. **Ans (3)**

NCERT XII Pg. # 110

121. **Ans (4)**

NCERT (XII) Pg # 112

122. **Ans (3)**

NCERT XII Pg. # 109

123. **Ans (4)**

NCERT XII Pg # 99

124. **Ans (1)**

NCERT (XII) Pg. # 121-123

125. **Ans (4)**

NCERT (XII) Pg. # 114,115

126. **Ans (1)**

NCERT-XII Pg. # 96

127. **Ans (4)**

NCERT XII Pg. # 106

128. **Ans (3)**

NCERT XII Pg.#100

129. **Ans (3)**

NCERT-XII, Pg # 81,83

130. Ans (4)
NCERT XII Pg. # 178

131. Ans (1)
NCERT XII Pg. # 177

132. Ans (3)
NCERT-XII, Pg # 177

133. Ans (3)
NCERT XII Pg. # 90

134. Ans (3)
NCERT XII Pg. # 86

135. Ans (1)
NCERT XII Pg. # 86

SECTION - B

136. Ans (4)
NCERT XII Pg. # 83 (Linkage and Recombination)

137. Ans (3)
NCERT XII, Pg. # 61

138. Ans (3)
NCERT XII, Pg. # 64

139. Ans (2)
NCERT-XII, Pg. # 54-69

140. Ans (4)
NCERT-XII Pg # 89, 90

141. Ans (2)
NCERT-XII, Pg. # 70

142. Ans (2)
NCERT XII page # 83

144. Ans (3)
NCERT-XII Pg. # 91

145. Ans (2)
NCERT XII Pg.# 108

146. Ans (3)
NCERT-XII Pg#92

147. Ans (4)
NCERT XII Pg. No. # 117

148. Ans (3)
NCERT XII Page No. # 108

149. Ans (2)
NCERT-XII, Pg. # 177

150. Ans (3)
NCERT XII Pg.# 96

SUBJECT : ZOOLOGY

SECTION - A

151. Ans (4)
NCERT XII, Pg. # 181

152. Ans (4)
NCERT XII, Pg. # 181

153. Ans (3)
NCERT-XII, Pg. # 181, 182, 183

154. Ans (1)
NCERT XIIth Page # 182

155. Ans (3)
NCERT XII Pg. # 187

156. Ans (2)
NCERT XII, Pg. # 188

157. Ans (3)
NCERT XII Pg. # 187

158. Ans (1)
NCERT-XII, Pg. # 188

159. Ans (4)
NCERT-XII Pg. # 172, 173

160. Ans (2)
NCERT XIIth Page - 200

161. Ans (2)
NCERT XII, Pg. # 203

162. Ans (3)
NCERT XII, Pg. # 202

163. Ans (4)
NCERT XII, Pg. # 197

164. Ans (2)
NCERT XII, Pg. # 197-202

165. Ans (4)
NCERT XII Pg # 201 (E)

166. Ans (4)
NCERT XII, Pg. # 199

167. Ans (1)
NCERT-XII, Pg. # 164, 173, 174

168. Ans (3)
NCERT-XII, Pg. # 198

169. Ans (1)
NCERT XII Pg # 200

170. Ans (4)
NCERT XII, Pg. # 202, 203

171. Ans (2)
NCERT XII, Pg. # 199

172. Ans (3)
NCERT XII Pg # 194(E), 213(H)

173. Ans (4)
NCERT XII, Pg. # 211(E)/230(H)

174. Ans (3)
NCERT XII Pg. # 213, 214

175. Ans (2)
NCERT XII, Pg. # 211

176. Ans (1)
NCERT XII, Pg. # 208

177. Ans (3)
NCERT-XII, Pg # 196 & 197

178. Ans (3)
NCERT-XII, Pg. # 181, 182

179. Ans (2)
NCERT XII, Pg. No. 202

180. Ans (4)
NCERT XII, Pg. No. 214

182. Ans (4)
NCERT XII Pg # 212

183. Ans (1)
NCERT XII, Pg. # 208, 209

184. Ans (4)
NCERT XII, Pg. # 209

185. Ans (3)
NCERT XII, Pg. No. 208

SECTION - B

186. Ans (3)
NCERT XII, Pg. # 155

187. Ans (4)
NCERT XII, Pg. # 153

188. Ans (1)
NCERT XII, Pg.# 157, 158

189. Ans (3)
NCERT - XII Pg. # 200

190. Ans (4)
NCERT XII, Pg. # 198

191. Ans (2)
NCERT-XII, Pg.# 170

192. Ans (1)
NCERT XII, Pg. # 199

193. Ans (3)
NCERT-XII, Pg. # 203

194. Ans (4)
NCERT-XII, Pg # 74(E), 82(H)

195. Ans (3)
NCERT XII, Pg. # 209

196. Ans (2)
NCERT XII, Pg. No. 209,212,213

197. Ans (4)
NCERT XII, Pg. # 195

198. Ans (2)
NCERT XII Pg # 212

199. Ans (4)
NCERT XII, Pg. No. 208

200. Ans (4)
NCERT XII, Pg. No. 210