

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 : 01-01-2025

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

HINT - SHEET

SUBJECT : BOTANY

SECTION-A

- Ans (1)**
NCERT-XII Pg. No. # 77
- Ans (1)**
XII NCERT Pg # 85, 86, 87
- Ans (1)**
NCERT-XII Pg. # 80
Mendel considered seed shape and seed colour in dihybrid cross which were present on non homologous chromosomes that showed independent assortment leading to new phenotype.
- Ans (1)**
XII NCERT Page No. # 77, 90, (E), 85, 98 (H)
- Ans (3)**
XII NCERT Page No. # 89, 91

- Ans (2)**
XII NCERT Page No. # 69 and 74
- Ans (3)**
NCERT XII, Pg. # 82
- Ans (4)**
NCERT XII, Pg. # 83
- Ans (1)**
NCERT XII Pg. # 117
- Ans (4)**
NCERT XII Pg. # 117
- Ans (1)**
NCERT-XII, Pg. # 104
- Ans (3)**
NCERT-XII, Pg. # 104
- Ans (4)**
NCERT-XII, Pg. # 114, 115

14. **Ans (3)**
NCERT XII Pg. # 104
15. **Ans (3)**
XII NCERT Pg # 99
16. **Ans (1)**
NCERT-XII, Pg # 111
17. **Ans (4)**
NCERT-XII, Pg. # 95
19. **Ans (1)**
XII NCERT Page No. # 224
20. **Ans (3)**
NCERT-XII Page No. # 224,225
21. **Ans (3)**
XII NCERT page No. # 219
22. **Ans (1)**
NCERT XII Page No. 223
23. **Ans (2)**
XII-NCERT Page No. # 223
24. **Ans (1)**
NCERT XIIth Page No. 217, 226 (summary)
25. **Ans (1)**
NCERT XII Pg. # 201
26. **Ans (1)**
NCERT-XII, Pg. # 197 to 201
27. **Ans (1)**
XII NCERT Page No. # 197 to 201
28. **Ans (1)**
NCERT XII, Page No. 198
29. **Ans (3)**
NCERT, Pg. # 200
30. **Ans (4)**
NCERT XII, Page No. 207,208
31. **Ans (4)**
NCERT-XII, Pg. No. # 207
32. **Ans (1)**
NCERT XII, Page No. 212

33. **Ans (2)**
NCERT-XII Pg. # 210
34. **Ans (4)**
NCERT-XII Pg. # 209
35. **Ans (1)**
NCERT-XII Pg. # 207,209

SECTION-B

36. **Ans (1)**
NCERT-XII Pg. No. # 61
37. **Ans (4)**
NCERT XII Pg # 90
38. **Ans (1)**
XII NCERT Page No. # 77, 87, (E), 85, 96 (H)
39. **Ans (1)**
NCERT-XII Page No. # 77
40. **Ans (1)**
NCERT-XII Pg. No. # 104
41. **Ans (2)**
NCERT-XII, Pg. # 104
42. **Ans (3)**
XII NCERT Pg # 97, 101
43. **Ans (1)**
NCERT XII Pg. No :- 220
44. **Ans (2)**
NCERT XII, Page No. 222,223
45. **Ans (4)**
NCERT-XII, Pg. # 222,223
46. **Ans (1)**
NCERT XIIth Page No. 197,199
47. **Ans (4)**
NCERT XII Page No. 197
48. **Ans (4)**
NCERT XII Pg#206
49. **Ans (2)**
NCERT XII, Page No. 208
50. **Ans (1)**
NCERT-XII Pg no. 212,213

SUBJECT : ZOOLOGY**SECTION-A**

55. **Ans (3)**
NCERT XII Pg. No. # 131
56. **Ans (3)**
NCERT XII Pg. No. # 138
57. **Ans (1)**
NCERT (XIIth) Pg. # 149 (para-8.1)
59. **Ans (1)**
NCERT-XII, Pg. # 138
61. **Ans (2)**
NCERT(XII) Pg# 135 Para: 7.6
66. **Ans (2)**
NCERT Page No. # 135
68. **Ans (1)**
NCERT, Pg # 157-158
69. **Ans (4)**
NCERT, Pg. # 156, 157, 158
70. **Ans (2)**
NCERT, Pg. # 155
71. **Ans (4)**
NCERT, Pg. # 173
72. **Ans (1)**
NCERT, Pg. # 168
73. **Ans (4)**
NCERT, Pg. # 165
74. **Ans (3)**
NCERT Pg#169
75. **Ans (1)**
NCERT, Pg. # 183
76. **Ans (3)**
NCERT, Pg. # 182
77. **Ans (1)**
NCERT, Pg. # 183
78. **Ans (4)**
NCERT, Pg. # 185

79. **Ans (3)**
NCERT, Pg. # 180
80. **Ans (1)**
NCERT Pg. No. # 179
81. **Ans (2)**
NCERT, Pg. # 169
82. **Ans (2)**
NCERT Pg. # 165, 167
83. **Ans (2)**
NCERT Pg. # 171
84. **Ans (2)**
NCERT Pg. # 170 - 171
85. **Ans (3)**
NCERT, Pg. # 152

SECTION-B

86. **Ans (1)**
NCERT (XII) Pg#130/141(H) para 7.2
87. **Ans (4)**
NCERT(XII) Pg # 132/143(H) Para:7.3
88. **Ans (2)**
NCERT Pg. # 138
90. **Ans (4)**
NCERT (XII) Pg # 132/142(H) Para : 7.3
92. **Ans (1)**
NCERT XII, Page # 142
93. **Ans (4)**
NCERT, Pg. # 151, 155
94. **Ans (3)**
NCERT, Pg # 165,168,169
95. **Ans (3)**
NCERT, Pg. # 164, 165
96. **Ans (1)**
NCERT, Pg. # 174
97. **Ans (3)**
NCERT, Pg. # (E)-182, (H)-200
98. **Ans (3)**
NCERT, Pg # 208
99. **Ans (1)**
NCERT, Pg. # 184
100. **Ans (1)**
NCERT Pg. # 177

SUBJECT : PHYSICS

SECTION-A

101. Ans (2)

$$\begin{aligned} \text{Shift } \Delta x &= t \left(1 - \frac{1}{\mu} \right) \\ &= 3 \left(1 - \frac{1}{1.5} \right) \\ &= 2 \text{ cm} \end{aligned}$$

2 cm upwards

102. Ans (1)

From graph $\delta_{\min} = 30^\circ$; $i = 45^\circ$ & $e = 45^\circ$

As $\delta_{\min} = i + e - A$

$$\Rightarrow A = 45 + 45 - 30 = 60^\circ$$

$$\mu = \frac{\sin\left(\frac{\delta_{\min} + A}{2}\right)}{\sin\left(\frac{A}{2}\right)} = \frac{\sin\left(\frac{30+60}{2}\right)}{\sin\left(\frac{60}{2}\right)} = \frac{\frac{1}{\sqrt{2}}}{\frac{1}{2}} = \sqrt{2}$$

103. Ans (1)

In case of minimum deviation

$\angle i = \angle e$, and ray passes parallel to base and incident-ray and emergent ray are symmetric to prism.

104. Ans (3)

Real depth = $(23.25 - 5.25) \text{ cm} = 18.00 \text{ cm}$

Apparent depth

= $(23.25 - 11.25) \text{ cm} = 12.00 \text{ cm}$

$$RI = \frac{\text{Real depth}}{\text{App. depth}} = \frac{18.00}{12.00} = 1.5$$

105. Ans (3)

Cut in voltage of diode $V_C = 0.4 \text{ V}$

$$I = \frac{V - V_C}{R}$$

(Forward resistance is very small in comparison to R)

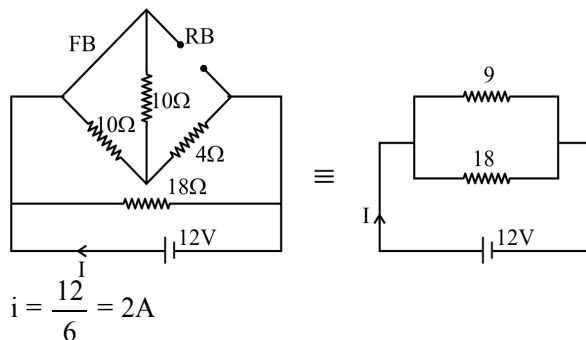
$$I = \frac{10 - 0.4}{12000}$$

$$I = 0.8 \text{ mA}$$

106. Ans (2)

In forward bias PN junction, due to lowering of potential barrier, more majority charge carriers flow across the junction, resulting more diffusion current, than drift current in magnitude. Reason is incorrect, because diffusion current is from P-side to N side, as holes move from P to N side and electrons more from N side to P side.

107. Ans (3)



108. Ans (4)

Magnetic lines inside bar magnet is from S \rightarrow N and outside N \rightarrow S.

109. Ans (3)

$$B_Q = \mu_0 n \left(\frac{I}{3} \right) = B$$

$$(B_P)_{\text{center}} = \mu_0 n I = 3B$$

$$(B_P)_{\text{end}} = \frac{(B_P)_{\text{center}}}{2} = \frac{3B}{2}$$

110. Ans (3)

$$\frac{B_{\text{in}}}{B_{\text{out}}} = \frac{\mu_0 I r_1}{2\pi R^2} \times \frac{2\pi r_2}{\mu_0 I} = \frac{\mu_0 I (a/3)}{2\pi a^2} \times \frac{2\pi (2a)}{\mu_0 I}$$

111. Ans (4)

$$\mu_r = 1 + \chi$$

$\chi > 0$ for paramagnetic substance.

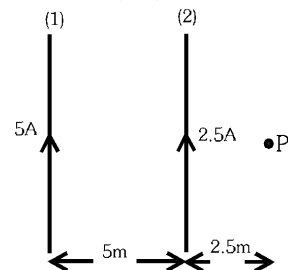
112. Ans (2)

Magnetic field due to wire (1)

$$B_1 = \frac{\mu_0 (5)}{2\pi (7.5)} \otimes$$

Magnetic field due to wire (2)

$$B_2 = \frac{\mu_0 (2.5)}{2\pi (2.5)} \otimes$$

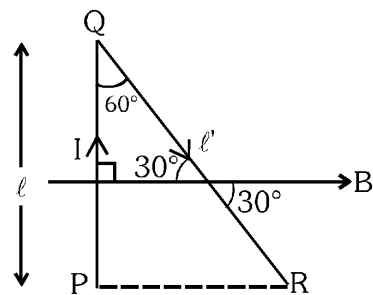


Net magnetic field at point 'P' due to both wires

$$B_P = B_1 + B_2 = \frac{\mu_0 (5)}{2\pi (7.5)} + \frac{\mu_0 (2.5)}{2\pi (2.5)}$$

$$= \frac{\mu_0}{2\pi} \left(\frac{2}{3} + 1 \right) = \frac{5\mu_0}{6\pi} \otimes$$

113. Ans (4)



$$|\vec{F}_{PQ}| = I \ell B \sin \theta = I \ell B \sin 90^\circ = I \ell B \dots (1)$$

$$|\vec{F}_{QR}| = I \ell' B \sin 30^\circ$$

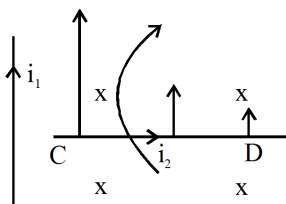
$$= I \frac{\ell}{\cos 60^\circ} B \sin 30^\circ$$

$$= I(2\ell) B \times \frac{1}{2} = I \ell B \dots (2)$$

from (1) & (2)

$$\frac{|\vec{F}_{PQ}|}{|\vec{F}_{QR}|} = \frac{I \ell B}{I \ell B} = 1 : 1$$

114. Ans (3)



115. Ans (3)

If charge particle remains undeflected then

$$\vec{E} \rightarrow \vec{B} \times \vec{v}$$

$$\hat{i} \rightarrow -\hat{k} \times [\hat{n}]$$

$$\text{so } \hat{n} \rightarrow \hat{j}$$

116. Ans (3)

$$\text{Formula } \left(R = \frac{h}{\sqrt{\mu^2 - 1}} \text{ \& } d = 2R \right)$$

117. Ans (2)

$$i_c = \sin^{-1} \left(\frac{\mu_R}{\mu_D} \right) = \sin^{-1} \left(\frac{v_D}{v_R} \right) \text{ For T.I.R } i \geq i_c$$

$$i \geq \sin^{-1} \left(\frac{1.5 \times 10^8}{2 \times 10^8} \right)$$

$$i \geq \sin^{-1} \left(\frac{3}{4} \right)$$

118. Ans (3)

$$\delta = 30^\circ ; A = 30^\circ ; i = 60^\circ$$

$$\delta = i + e - A$$

$$e = 0^\circ \text{ \& from face } 90 - e = 90^\circ$$

119. Ans (4)

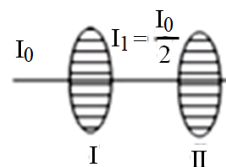
$$\sin \theta = \frac{\lambda}{a}$$

$$\sin 30^\circ = \frac{5000 \times 10^{-10}}{a}$$

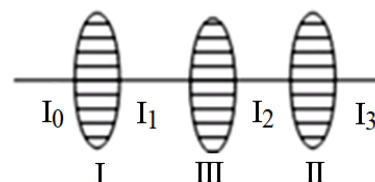
$$a = 10^{-6} \text{ m}$$

$$a = 10 \times 10^{-5} \text{ cm}$$

120. Ans (1)



If no light comes from 2nd polaroid, i.e. angle between them = 90



If 3rd polaroid has polarization axis at angle θ

$$I_2 = I_1 \cos^2 \theta$$

$$I_2 = \frac{I_0}{2} \cos^2 \theta$$

As polarizing axis of 1st and 2nd are mutually perpendicular

Hence angle between polarizing axis of 2nd and 3rd is $90^\circ - \theta$

$$I_3 = I_2 \cos^2 (90^\circ - \theta)$$

$$\Rightarrow I_3 = \frac{I_0}{2} \cos^2 \theta \sin^2 \theta$$

$$\Rightarrow I_3 = \frac{I_0}{2} \times \frac{4}{4} \cos^2 \theta \sin^2 \theta$$

$$\Rightarrow I_3 = \frac{I_0}{8} (2 \cos \theta \sin \theta)^2$$

$$\Rightarrow I_3 = \frac{I_0}{8} \sin^2 (2\theta)$$

121. Ans (3)

$$\frac{W_1}{W_2} = \frac{I_1}{I_2}$$

$$\frac{I_{\max}}{I_{\min}} = \left(\frac{\sqrt{\frac{I_1}{I_2}} + 1}{\sqrt{\frac{I_1}{I_2}} - 1} \right)^2 = \left(\frac{\frac{2}{3} + 1}{\frac{2}{3} - 1} \right)^2 = \frac{25}{1}$$

122. Ans (3)

$$i_{\text{rms}} = \sqrt{\frac{i_1^2 + i_2^2}{2}}$$

123. Ans (3)

$$\phi = 5t^3 - 100t + 300$$

$$e = -\frac{d\phi}{dt} = -[15t^2 - 100]$$

$$E_{(at t=3s)} = -[15(3)^2 - 100]$$

$$= -35 \text{ Volt}$$

$$\text{Magnitude of emf at } t = 3s$$

$$= 35 \text{ V}$$

125. Ans (4)

When conductor move along M it cut magnetic field lines.

126. Ans (1)

$$I = \frac{E_0^2}{2\mu_0 C}$$

$$\frac{P}{A} = \frac{E_0^2}{2\mu_0 C}$$

$$E_0 = 3\sqrt{3} \text{ v/m} \text{ So } E_{rms} = \frac{3\sqrt{3}}{\sqrt{2}} \text{ V/m}$$

128. Ans (2)

In a purely inductive or purely capacitive circuit there is no power loss. So, current flow in these circuit are wattless current.

129. Ans (3)

$$f_0 = \frac{1}{2\pi\sqrt{LC}}$$

$$C_1 \rightarrow 2C$$

$$L_1 \rightarrow \frac{L}{2}$$

$$f_1 = \frac{1}{2\pi\sqrt{2C \times \frac{L}{2}}} = \frac{1}{2\pi\sqrt{LC}} = f_0$$

130. Ans (2)

$$\cos \phi = \frac{R}{Z} = \frac{R}{\sqrt{R^2 + X_L^2}} = \frac{R}{\sqrt{R^2 + \omega^2 L^2}}$$

133. Ans (4)

$$1 \sin 2x = \sqrt{2n} \sin x$$

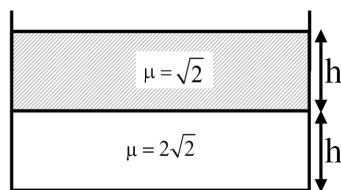
$$2 \sin x \cos x = \sqrt{2n} \sin x$$

$$\cos x = \frac{\sqrt{2n}}{2} = \sqrt{\frac{n}{2}}$$

$$x = \cos^{-1} \left(\sqrt{\frac{n}{2}} \right)$$

$$\text{Incident angle } 2x = 2\cos^{-1} \left(\sqrt{\frac{n}{2}} \right)$$

134. Ans (2)



$$\frac{h}{\sqrt{2}} + \frac{h}{2\sqrt{2}}$$

$$= \frac{2h + h}{2\sqrt{2}} = \frac{3h}{2\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} = \frac{3h\sqrt{2}}{4}$$

135. Ans (1)

$$\left(\begin{matrix} R_1 & R_2 \\ \mu \end{matrix} \right) P = \frac{1}{f} = (\mu - 1) \left(\frac{1}{R_1} + \frac{1}{R_2} \right)$$

$$\text{If } R_1 = R_2 \Rightarrow P = \frac{(\mu - 1)2}{R}$$

When cut along principle axis

$$\left(\begin{matrix} R_1 & R_2 \\ \mu \end{matrix} \right) P^1 = \frac{1}{f'} = (\mu - 1) \left(\frac{1}{R_1} + \frac{1}{R_2} \right) = P$$

When cut along perpendicular to principle axis

$$\left(\begin{matrix} R_1 \\ \mu \end{matrix} \right) R_2 = \infty \quad P^1 = \frac{1}{f'} = (\mu - 1) \left(\frac{1}{R_1} + \frac{1}{\infty} \right)$$

$$\text{If } R^1 = R$$

$$P^1 = \frac{(\mu - 1)}{R} = \frac{P}{2}$$

SECTION-B

136. Ans (4)

$$\Rightarrow \delta = i + e - A \text{ (for minimum deviation } i = e)$$

$$\therefore \text{ minimum deviation} = 2i - A$$

$$60^\circ = 2 \times 60^\circ - A \Rightarrow \therefore A = 60^\circ$$

$$\Rightarrow n = \frac{\sin \left(\frac{A + \delta_m}{2} \right)}{\sin \left(\frac{A}{2} \right)} = \frac{\sin \left(\frac{60^\circ + 60^\circ}{2} \right)}{\sin \left(\frac{60^\circ}{2} \right)} = \sqrt{3}$$

$$\Rightarrow \delta_1 = i_1 + e - A$$

$$65^\circ = i_1 + 70^\circ - 60^\circ \text{ or } i_1 = 55^\circ$$

\Rightarrow the δ versus i curve is not parabolic

137. Ans (4)

$$\frac{1}{v} - \frac{1}{u} = \frac{1}{f}$$

$$(0.1) - (-0.1) = \frac{1}{f}$$

$$\text{or, } f = 5 \text{ cm}$$

$$P = \frac{100}{f} = \frac{100}{5}$$

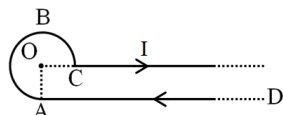
$$P = 20 \text{ D}$$

138. Ans (4)

Dynamic resistance

$$= \frac{1.7 - 1.5}{(8 - 4) \times 10^{-3}} = 50 \, \Omega$$

140. Ans (3)



For the circular part ABC, the angle subtended at the centre is $3\pi/2$.

$$\text{Due to ABC, } B_1 = \frac{\mu_0}{4\pi} \cdot \frac{I}{r} \left(\frac{3\pi}{2} \right) \dots (i)$$

Due to AD, A is at the end of the wire, therefore at O,

$$B_2 = \frac{\mu_0 I}{2\pi r} \times \frac{1}{2} = \frac{\mu_0 I}{4\pi r} \dots (ii)$$

$$\therefore \text{Total induction} = \frac{\mu_0 I}{4\pi r} \left(\frac{3\pi}{2} + 1 \right)$$

141. Ans (3)

$$\text{Since } i_1 \ell_1 = i_2 \ell_2$$

$$\Rightarrow \frac{B_1}{B_2} = 1$$

142. Ans (1)

$$\sin i < \sqrt{\mu_2^2 - \mu_1^2}$$

$$\Rightarrow \sin i < \sqrt{1.3^2 - 1.2^2} = \sqrt{2.5 \times 0.1} = 0.5$$

$$\Rightarrow i < 30^\circ$$

Thus the range $0 < i < 30^\circ$

143. Ans (2)

$$n_1 \lambda_1 = n_2 \lambda_2$$

$$n_2 = 62 \times \frac{5893}{5461}$$

$$= 67$$

144. Ans (4)

$$\Delta\phi = \frac{2\pi}{\lambda} \cdot \frac{\lambda}{6} = \frac{\pi}{3}$$

$$I = I_0 + I_0 + 2\sqrt{I_0^2} \left(\frac{1}{2} \right) = I_0 + I_0 + I_0 = 3I_0$$

$$I_{\max} = \left[\sqrt{I_1} + \sqrt{I_2} \right]^2 = 4I_0$$

$$\frac{I}{I_{\max}} = \frac{3I_0}{4I_0} = \frac{3}{4}$$

146. Ans (2)

$$\vec{E} \times \vec{B} = \hat{K}$$

$$\vec{E} \cdot \vec{B} = 0$$

147. Ans (2)

$$\begin{array}{c} E_0 \\ \leftarrow e^- \rightarrow v_0 \end{array} \quad \begin{array}{c} t=0 \\ t \end{array} \quad \begin{array}{c} v \\ \rightarrow \end{array}$$

$$\therefore F = eE_0 = ma$$

$$a = \frac{eE_0}{m}, \quad v = u + at$$

$$v = v_0 + \frac{eE_0}{m} t$$

$$\therefore \lambda = \frac{h}{mv} = \frac{h}{m \left[v_0 + \frac{eE_0}{m} t \right]}$$

$$\lambda = \frac{\lambda_0}{\left[1 + \frac{eE_0}{mv_0} t \right]}$$

148. Ans (3)

In +ve half cycle of input signal,

$D \rightarrow FB \rightarrow S/C$ So, we get output across load.

In -ve half cycle, $D \rightarrow RB \rightarrow O/C$. So, we will get zero voltage across load.

So, it will be H.W.R. with +ve cycle in output.

150. Ans (4)

$$P_{\text{in}} = P_{\text{out}}$$

$$I_i \times 220 = 60$$

$$I_i = 0.27 \text{ A}$$

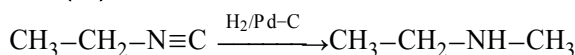
$$I_i > I_2$$

$$\therefore V_L > V_i$$

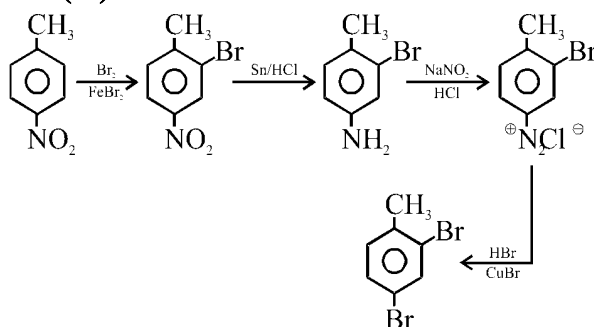
SUBJECT : CHEMISTRY

SECTION-A

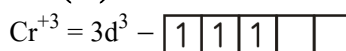
160. Ans (4)



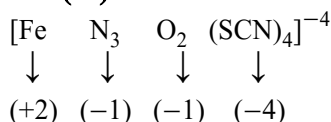
161. Ans (2)



169. Ans (4)



170. Ans (1)



171. Ans (1)



Co in +3 O.S. & CN^- SFL

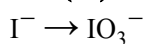
172. Ans (3)

dien is a tridentate ligand number of chelating ring = denticity-1

173. Ans (3)

$$E \propto \frac{1}{\lambda} \propto \text{strength of ligand}$$

174. Ans (1)



175. Ans (1)

On moving T to B higher o.s. stability

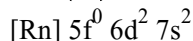
176. Ans (4)

Due to lanthanoid contraction Ionic radii continuous decreases $\text{Yb}^{+3} < \text{Pm}^{+3} < \text{Ce}^{+3} < \text{La}^{+3}$.

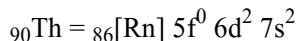
177. Ans (1)

On moving L to R acidic nature $\downarrow\downarrow$

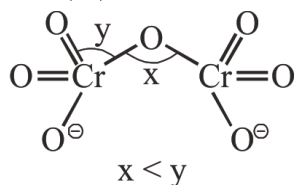
178. Ans (4)



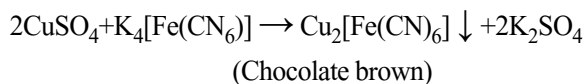
179. Ans (2)



180. Ans (4)



181. Ans (3)



182. Ans (3)

Only for chloride

183. Ans (4)

NH_3 gas brown colour solution with Nessler reagent

184. Ans (1)

Para ion give coloured metaborate bead test.

185. Ans (1)

Nessler reagent is used to detect NH_4^+ ion.

SECTION-B

187. Ans (3)

rate of $\text{R}-\text{OH}$ is $1^\circ > 2^\circ > 3^\circ$

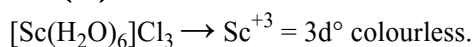
190. Ans (3)

Primary amine give isocyanide.

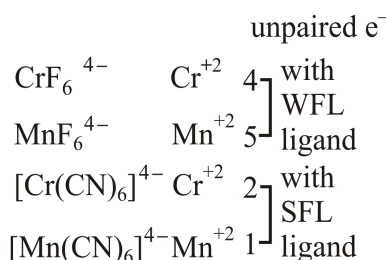
192. Ans (1)

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193. Ans (2)



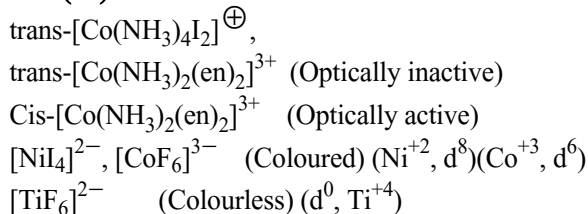
194. Ans (2)



195. Ans (4)

Ma_4b_2 doesn't show O.I.

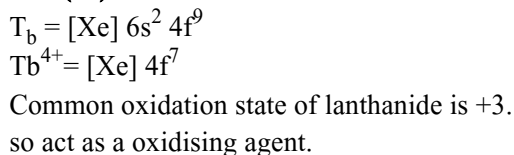
196. Ans (2)



197. Ans (3)

Wavelength \uparrow Energy \downarrow Strength of ligand \downarrow

198. Ans (4)



199. Ans (4)



200. Ans (1)

