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2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

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## Answer-key & Solution

SSC JE (Electrical) MOCK - (130) Date:- 06.01.2018

1. D	26. C	51. B	76. C	101. D	126. A	151. B	176. B
2. C	27. B	52. C	77. B	102. A	127. D	152. C	177. B
3. D	28. A	53. C	78. A	103. B	128. D	153. A	178. B
4. B	29. C	54. C	79. A	104. A	129. D	154. D	179. D
5. C	30. B	55. C	80. B	105. B	130. C	155. C	180. A
6. C	31. C	56. B	81. B	106. C	131. C	156. A	181. A
7. C	32. B	57. A	82. A	107. D	132. A	157. B	182. D
8. C	33. D	58. A	83. C	108. D	133. C	158. D	183. A
9. C	34. C	59. B	84. C	109. B	134. A	159. B	184. D
10. A	35. D	60. A	85. D	110. C	135. D	160. A	185. A
11. D	36. C	61. A	86. B	111. C	136. A	161. B	186. C
12. B	37. C	62. B	87. D	112. D	137. A	162. C	187. A
13. A	38. C	63. A	88. A	113. C	138. A	163. A	188. C
14. A	39. A	64. D	89. A	114. B	139. C	164. B	189. A
15. C	40. D	65. A	90. C	115. C	140. D	165. A	190. D
16. A	41. B	66. C	91. C	116. A	141. A	166. B	191. B
17. B	42. A	67. C	92. A	117. A	142. D	167. B	192. A
18. A	43. D	68. A	93. D	118. D	143. C	168. D	193. B
19. B	44. D	69. A	94. B	119. A	144. B	169. B	194. C
20. C	45. D	70. D	95. C	120. A	145. C	170. C	195. B
21. A	46. C	71. A	96. D	121. B	146. D	171. B	196. B
22. A	47. C	72. A	97. D	122. D	147. C	172. D	197. B
23. A	48. C	73. C	98. A	123. B	148. A	173. B	198. C
24. D	49. A	74. C	99. D	124. A	149. C	174. C	199. B
25. D	50. C	75. B	100. C	125. D	150. C	175. C	200. D

*Note :* If your opinion differ regarding any answer, please message the mock test and Question number to 9821756838

*Note :* If you face any problem regarding result or marks scored, please contact : 9313111777

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**EXAMPLE STRUCK PORTER MURHERIZE NAGAR POLICE STATION, DELHI-110009**  
**Structures Vertice of the Red lamp burn**  
because 
$$X_{v_1,v_m} < X_{v_N}$$
.  
120. (a)  
 $\theta = \frac{mnf}{Reluctance} = \frac{N!}{1} \frac{1}{1} = \frac{N! k (k \pi)}{1}$   
 $\beta_n = \frac{mnf}{Reluctance} = \frac{N!}{1} \frac{1}{1} \frac{N! k (k \pi)}{1}$   
 $\beta_n = \frac{mnf}{Reluctance} = \frac{N!}{1} \frac{1}{1} \frac{N! k (k \pi)}{1}$   
 $\beta_n = \frac{mnf}{Reluctance} = \frac{N!}{1} \frac{1}{1} \frac{N! k (k \pi)}{1}$   
 $\beta_n = \frac{120 \times 60}{10}$   
 $\Rightarrow P = \frac{60 \times 10}{25} = 24$  poles  
145. (c)  
We know forque  $\ll V^2$   
If  $V = 0.5$   $V$   
 $T = 0.25$   $V = 0.25$   $T$   
So,  $\%$  reduction in torque  
 $-\frac{(1-0.25)T}{T} \times 100 - 75\%$ .  
159. (F)  
Load Factor  $\frac{P_{mn}}{P_{mnn}} = \frac{R! t + \frac{P_1 t}{2} t}{\frac{1}{R_{mnn}} t + \frac{1}{R_{mnn}} t} \frac{1}{R_{mnnn}} \frac{12 + 1001}{R_{mnnnn}} \frac{1}{R_{mnnn}} \frac{1}{R_{mnnn}} \frac{1}{R_{mnnn}} \frac{R! t + \frac{P_1 t}{2} t}{1000 \times 24}$   
176. (R)  
Given,  $V(t) = 5 \sin(314t + 45^{c})$   
 $W = 314$   
 $T = \frac{1}{f} = \frac{2\pi}{W} = \frac{2\pi}{314}$   
 $f = 50 \text{ Hz}$   $K = 20 \text{ m sec}$ .  
Number of cycle of signal displayed on screen =  
No. of diven scale × base setting  
Time period(T)  
 $= \frac{36000}{2000 \times 24} = 0.75$   
170. (C)  
Balance condition of a bridge,  
 $Z_1 \times Z_4 \times Z_3 \times Z_3$   
 $2000 \times 750 = (R_2 + j\omega L_3)$   
 $\times \left[ \frac{4000 \times \frac{1}{j\omega C}}{4000 + \frac{1}{j\omega C}} \right]$   
On compare the real & imaginary term then we get,  
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