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2007, OUTRAM LINES, 1ST FLOOR, NEAR GTB NAGAR METRO STATION, GATE NO. - 2, DELHI-110009

Answer-key & Solution

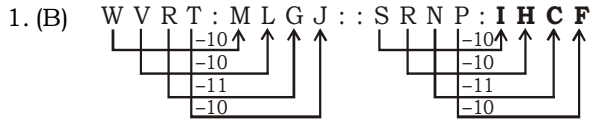
SSC JE (CIVIL)
Practice Set-17

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

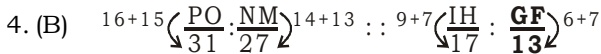
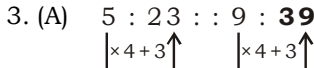
Note : *If your opinion differ regarding any answer, please message the mock test and Question number to 8375805483*

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

SOLUTION SSC JE (CIVIL) Practice Set-17

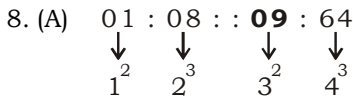
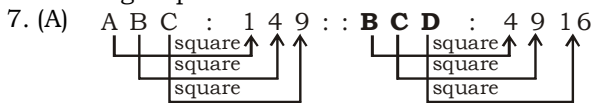


2. (C)

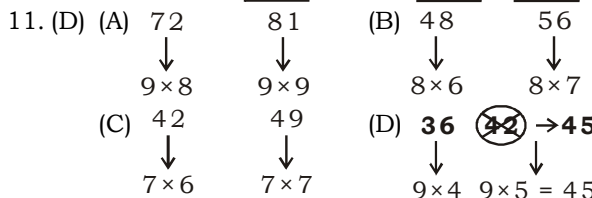
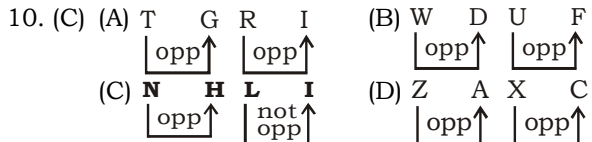
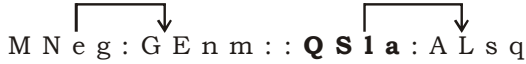


5. (A)

6. (A) A group of Cows is called a herd. Similarly a group of fish is called a school



9. (B) capital letters become small letters and vice versa



12. (B) All the remaining have 3 letters in each group.

13. (B)

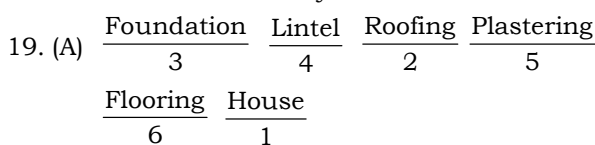
14. (C) Sluggish is the antonym of the remaining three.

15. (B) Except A all are consonants

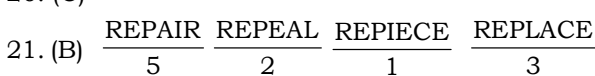
16. (A) It is divisible by 3

17. (C)

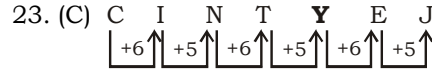
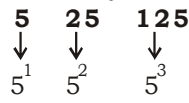
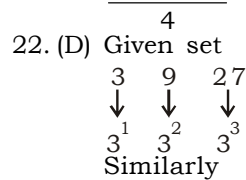
18. (C) Except option (C) all are only voice communication system



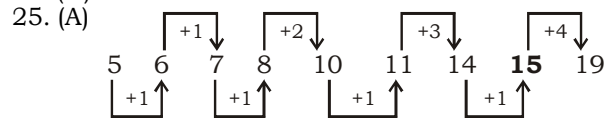
20. (C)



REPOINT



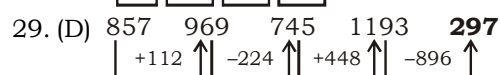
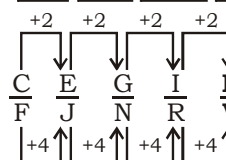
24. (D)



26. (A)

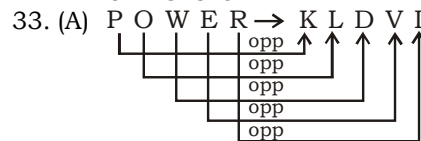
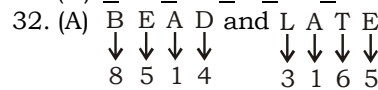


28. (A)

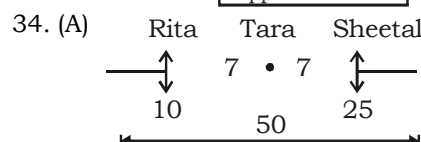
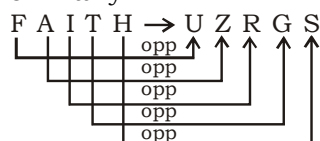


30. (B)

31. (D) **b a b d b a b d b a b d b a b d**



Similarly

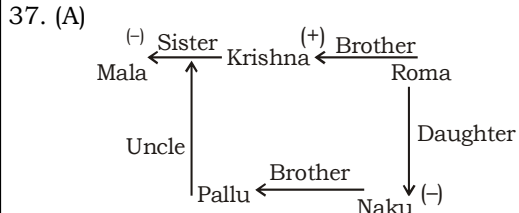


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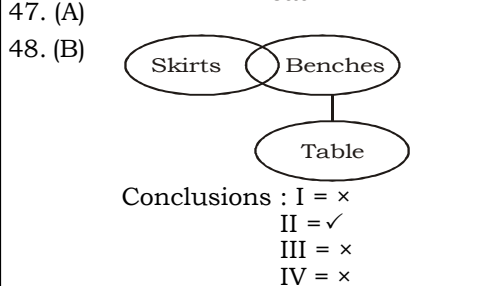
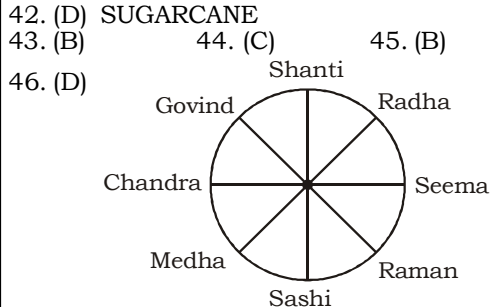
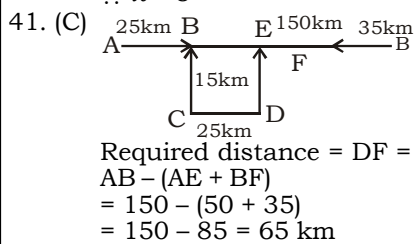
Position of Tara from the front
 10 (Position of Rita) + 7 + 1 (Tara) = 18

35. (A) $5 \times (8 - 3) = 25$
 $5 \times 5 = 25$
36. (A) $5 + 6 \times 3 - 12 \div 2 = 17$
 $5 + 6 \times 3 - 6 = 17$
 $5 + 18 - 6 = 17$
 $23 - 6 = 17$
 $17 = 17$



38. (C) SCHOOL
 39. (C) 937 (28) 216
 521 (?) 418
 (28) → 9 + 3 + 7 + 2 + 1 + 6 = 28
 Similarly
 (?) → 5 + 2 + 1 + 4 + 1 + 8 = **21**

40. (C) $9 \times 7 \times 3 = 189$
 $8 \times 9 \times 2 = 144$
 Similarly,
 $3 \times 4 \times x = 96$
 $12x = 96$
 $\therefore x = 96 \div 12$
 $\therefore x = 8$



49. (A)
 50. (A) $\square \xleftrightarrow{opp} \square$
 $\bigcirc \xleftrightarrow{opp} \triangle$
 $\bigoplus \xleftrightarrow{opp} =$

103. (D) Bearing of AB = 18°15'
 Bearing of AC = 335°45'
 Included angle CAB = 335°45' - 18°15'
 = 317°30'
 = 360° - 317°30'
 = 42°30'

126. (A) n = 40%, G = 2.70

$$e = \frac{n}{1-n} = \frac{.4}{.6} = 0.666$$

$$\gamma_d = \left(\frac{G}{1+e} \right) \gamma_w$$

$$= \left(\frac{2.7}{1.66} \right) \times 9.81 = 15.95 \text{KN} / \text{m}^3$$

128. (B) $\gamma_d = 1.9 \text{ gm} / \text{cc}$, G = 2.65

$$\gamma_d = \left(\frac{G}{1+e} \right) \gamma_w$$

$$1.9 = \frac{2.65}{1+e} \times 1$$

$$1+e = \frac{2.65}{1.9} = 1.39$$

$$e = 1.39 - 1 = 0.39$$

$$n = \frac{e}{1+e} = \frac{0.39}{1.39} \times 100 = 28.057\%$$

129. (C) $I_r = \frac{I_p}{I_f} = \frac{35-15}{10} = 2.0$

130. (B) $I_p = 40 - 20 = 20\%$
 166. (C) $F_{BC} \sin 30^\circ = 2t$
 $F_{BC} = 4t$

168. (C) $\delta = \frac{PL}{AE} = \frac{40000 \times 1000}{2 \times 10^5 \times 2 \times 10^2} = 1 \text{mm}$

192. (D) Specific retention = 50-30 = 20%