



KD Campus
KD Campus Pvt. Ltd

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

Answer-key & Solution

SSC JE (Environmental)
Date 15.07.2017

1. D	13. D	25. A	37. B	49. B	61. C	73. C	85. B
2. B	14. D	26. C	38. B	50. A	62. B	74. A	86. C
3. A	15. D	27. A	39. D	51. B	63. B	75. C	87. A
4. C	16. B	28. D	40. C	52. D	64. B	76. A	88. B
5. B	17. D	29. B	41. C	53. B	65. B	77. A	89. D
6. B	18. A	30. A	42. B	54. C	66. B	78. C	90. B
7. A	19. D	31. D	43. A	55. C	67. B	79. B	
8. C	20. B	32. C	44. B	56. D	68. B	80. B	
9. B	21. D	33. D	45. A	57. C	69. B	81. D	
10. C	22. A	34. B	46. B	58. B	70. D	82. A	
11. B	23. A	35. B	47. C	59. D	71. D	83. C	
12. D	24. B	36. B	48. B	60. C	72. D	84. C	

Note : *If your opinion differ regarding any answer, please message the mock test and Question number to 9560620353*

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

SOLUTION

7.(A) Carbonate hardness = alkalinity

$$= 100 \text{ mg/l}$$

Non carbonate hardness = total hardness
- alkalinity

$$= 300 - 100$$

$$= 200 \text{ mg/l}$$

56.(D) $BOD = (DO_i - D_f) \times \text{dilution factor}$

$$= (10 - 2) \times \frac{100}{1} = 800 \text{ mg / L}$$

58.(B) $BOD = (8.5 - 5.5) \times \frac{100}{2} \Rightarrow 150 \text{ mg / L}$

62.(B) Dilution factor = $\frac{\text{Final vol.}}{\text{Intial vol.}}$

$$BOD = (8 - 2) \left(\frac{300}{2} \right)$$

$$= 900 \text{ mg/l}$$