



J.K. SHAH[®]
TEST SERIES

Evaluate Learn Succeed

SUGGESTED ANSWERS

CA FOUNDATION

Test Code – JK-QA-02

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Answers

1. (a) ₹ 16,250
2. (c) 57
3. (c) ₹ 1,500
4. (d) ₹ 1250
5. (c) $\frac{1}{16}$
6. (b) 66
7. (d) None of these
8. (c) 32
9. (d) 27
10. (a) 7 days
11. (a) (5, 1/7)
12. (a) 40 cm, 30 cm
13. (d) $m = 12$
14. (b) 49
15. (a) (2, 1/2)
16. (a) $4x_1 + x_2 \geq 50$
 $5x_1 + 3x_2 \geq 40$
 $x_1 \geq 0 ; x_2 \geq 0$

17. (a) $x + 2y \geq 3$
 $x + y \leq 4$
 $0 \leq x \leq 5/2$
 $0 \leq y \leq 3/2$
 $x \geq 0 ; y \geq 0$
18. (a) 10% p.a.
19. (c) ₹ 1352
20. (c) 9 years
21. (a) 104874
22. (b) 5
23. (b) $\log_{10} 1152$
24. (b) 60
25. (b) 1260
26. (a) 1:3:5
27. (d) 27th.
28. (c) 385
29. (a) $\sqrt{75}$
30. (c) $R \subset I$
31. (c) 25
32. (b) (O)
33. (a) $3x^2 + 6x - 13$

34. (c) reflexive, symmetric but not transitive
35. (a) $1 - x^{-2} + x^{-2/3} - x^{-4/3}$
36. (a) $8 \cdot 2^x \log 2 + (4/x) \log_3 e$
37. (a) $x e^x$
38. (a) $(2/9) (x^3 + 2)^{3/2} + k$
39. (a) $e^x \left(\frac{x-1}{x+1} \right) + c$
40. (b) 112/9
41. (d) 6
42. (d) G16H
43. (b) Ankita
44. (d) None of these.
45. (a) None
46. (a) If only conclusion (II) follows
47. (b) If either (I) or (II) follows
48. (c) If neither conclusion (I) nor (II) follows
49. (c) If neither conclusion (I) nor (II) follows
50. (c) 15 km
51. (c) North-east
52. (d) 10 km

53. (b) NOPQ
54. (c) 82
55. (a) Mother
56. (c) Mother
57. (d) X
58. (d) Cannot be determined
59. (d) Cannot be determined
60. (c) Brother Directions
61. (d) All these
62. (a) Frequency density
63. (a) Ogive
64. (a) total frequency
65. (c) All the values of a class are equal to the mid-value of that class
66. (c) $(n/2)^{\text{th}}$
67. (d) $\frac{n}{2}$
68. (b) ₹ (60/7)
69. (c) $[(n - 1)\bar{X} + \lambda]/n$
70. (a) True
71. (d) 4.5

72. (c) 40
73. (b) linear
74. (b) $y = a + bx, b > 0$
75. (b) -2
76. (a) 0
77. (d) None of these
78. (b) 0.72
79. (a) not exceed 1
80. (a) $kb_{XY} = hb_{UV}$
81. (a) G.M. of the coefficient of regression
82. (a) limiting value of the ratio of the number of times the event A occurs to the number of times the experiment is repeated
83. (c) not equally likely
84. (c) $\frac{49}{50}$
85. (c) 0.3
86. (d) $\frac{1}{7}$
87. (b) 4/165
88. (d) ₹ 2,37,000
89. (d) both (A) and (B)

90. (c) 0
91. (b) $k = 1/10, P(X < 3) = 3/10$
92. (a) $10 \times 35^3 \times 6^{-10}$
93. (b) 20
94. (b) 618.70
95. (a) Time Reversal and Factor Reversal Tests of index numbers
96. (a) Weighted index
97. (c) ₹ 7560
98. (d) $21/4$
99. (b) The sale of air condition increases during summer
100. (b) 124.33, 110.66