

SSC CGL SPEED TEST - 13

1. (A) young one cow is calf and young one hen is chick.

2. (B) - 3 series

3. (C) $0.5^3 = 0.125$
 $2^3 = 8$

4. (C) Pen is used to write on rest three items.

5. (D) +2 series, except NLJ

6. (D) Except 63, rest are prime Number.

7. (A) Squence according to dictionary.

8. (A) +1, +2, +3, +4. +5

9. (D) $-4 + 3 = -1$
 $-1 + 4 = 3$
 $3 + 5 = 8$
 $8 + 6 = 14$

10. (A) 8 March- Wednesday

Number of day between 8th March and 10 July
 $= 23 + 30 + 31 + 30 + 10 = 124$

Number of odd days = $\frac{124}{7} = 5$

Ritu's birthday = 5 + Wednesday
= Monday

11. (C) $30 + 40 + 50 = 120$

$30 + 80 = 110$

$50 + 80 = 130$

100 is not possible

12. (D) 'TEAM' There is no 'm' in the given word.

13. (A) - 3 series

14. (B) After arrangement

$11 \times 50 + 150 - 200$

$550 + 150 - 200$

$\Rightarrow 700 - 200 = 500$

15. (B) $(7 - 1) \times 2 = 12$

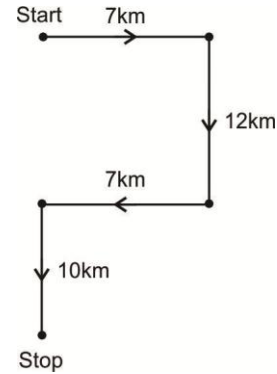
$(7 - 4) \times 2 = 6$

16. (D) $18 \times 5 = 90$

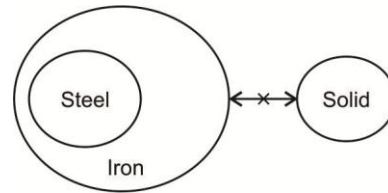
$13 \times 11 = 143$

$7 \times 5 = 35$

17. (A)



18. (C)



19. (C)

20. (A)

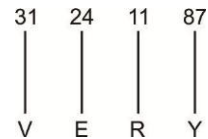
21. (B)

22. (B)

23. (D)

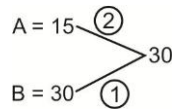
24. (D)

25. (B)



51. (B) 329 is completely divided by .

52. (A)



50% of work = 15 unit

total unit done by both in one day

$$= 2 + 3 = 3$$

$$\text{So } = \frac{15}{3} = 5 \text{ days}$$

53. (A) Area of equilateral triangle = $\frac{\sqrt{3}}{4} a^2$

$$= \frac{\sqrt{3}}{4} \times 10 \times 10 = 25\sqrt{3}$$

54. (B) Effective discount = $15 + 50 - \frac{50 \times 15}{100}$

$$= 57.5\%$$

55. (D) Amount holding A

$$= \frac{3}{17} \times 42500 = 7500$$

56. (A) we know that

$$A + B + C = 49 \times 3 = 147 \quad \dots(i)$$

$$A + B = 2 \times 35 = 70 \quad \dots(ii)$$

$$B + C = 2 \times 62 = 124$$

$$B = 47, A = 23$$

$$C = 77 \text{ kg}$$

57. (A) Profit Percentage = $\frac{1}{5} \times 100$

$$= 20 \%$$

58. (B) The Required value

$$= \frac{125}{100} \times \frac{25}{100} \times 80 = 25$$

59. (B) Speed = $\frac{81}{1.5} \times \frac{5}{18} = 15 \text{m/sec}$

60. (D) interest for one year = $\frac{32}{4}$

According to Question

$$= 24000 \left[\left(1 + \frac{8}{100} \right)^3 - 1 \right]$$

$$= 6233.08$$

61. (D) $= \frac{5}{2} \left(\frac{8x}{3} - \frac{1}{2} \right) + \frac{13}{2} = \frac{2x}{3}$

$$= \frac{18x}{3} = -\frac{21}{4}$$

$$x = -\frac{7}{8}$$

62. (C) $a^3 + b^3 = 72 \quad \dots(i)$

$$ab = 8$$

from values from option

$$a + b = 4 + 2 = 6$$

63. (B) from options

$$\frac{7}{2} \Rightarrow 4 = 4 \times \frac{7}{2} + \frac{2}{7} \times 7$$

$$= 16$$

64. (B) $Tn^2 a + (a - 1) d$

$$= T_3 = 4 + 2d = -1$$

$$= T_2 = a + 7d = 19$$

$$= T_2 = a + 7.d = 19$$

$$a = -9, d = 4$$

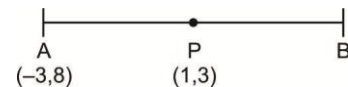
Now

$$= \frac{11}{2} - [18 + (10) \times 4]$$

$$= 121$$

65. (D)

66. (D)



$$P = (1, 3)$$

$$x = \frac{x_1 + x_2}{2}, 1 = \frac{-3 + x_2}{2}$$

$$x = 25, y_2 = -2$$

$$67. (D) m_1 = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2(-2)}{4-3} = 4$$

$$m_2 = -\frac{1}{m_1} = \frac{1}{4}$$

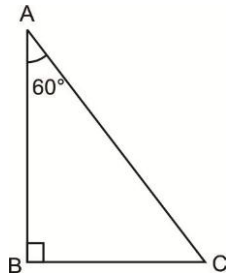
68. (C) According to Question

$$= \frac{3}{7} = \frac{AB}{AQ} = \frac{AB}{21}$$

$$AB = 3 \times 3 = 9\text{cm}$$

$$69. (A) 2\sqrt{2} + \frac{1}{13} = \frac{26+1}{\sqrt{3}}$$

70. (C)



$$\cot c = \cot 30^\circ = \sqrt{3}$$

$$71. (C) \operatorname{cosec} \theta = \frac{25}{7}$$

$$\text{Triple} = (7, 24, 25)$$

$$\cos \theta = \frac{24}{25}$$

72. (C) F is winner if a deader disqualified

$$73. (A) \text{Winner} = 27 - 21 = 6\%$$

$$1\% = 1000$$

$$6\% = 6000$$

74. (B)

$$75. (D) \text{Attendance} = 60\%$$

$$\text{That is equal to} = \frac{90}{60} \times 100 = 150\%$$

$$\Rightarrow 150000$$

SSC CGL (TIER-1)- SPEED TEST – 13**ANSWER KEY**

1(A)	2(B)	3(C)	4(C)	5(D)	6(D)	7(A)	8(A)	9(D)	10(A)
11(C)	12(D)	13(A)	14(B)	15(B)	16(D)	17(A)	18(C)	19(C)	20(A)
21(A)	22(B)	23(D)	24(D)	25(B)	26(A)	27(B)	28(D)	29(A)	30(C)
31(C)	32(B)	33(D)	34(B)	35(C)	36(C)	37(B)	38(C)	39(B)	40(A)
41(D)	42(B)	43(C)	44(C)	45(D)	46(B)	47(A)	48(A)	49(C)	50(D)
51(B)	52(A)	53(A)	54(B)	55(D)	56(A)	57(A)	58(B)	59(B)	60(D)
61(D)	62(C)	63(B)	64(B)	65(D)	66(D)	67(D)	68(C)	69(A)	70(C)
71(C)	72(C)	73(A)	74(B)	75(D)	76(B)	77(C)	78(C)	79(D)	80(B)
81(A)	82(D)	83(B)	84(A)	85(B)	86(A)	87(A)	88(A)	89(A)	90(A)
91(A)	92(C)	93(D)	94(C)	95(B)	96(D)	97(C)	98(A)	99(B)	100(A)