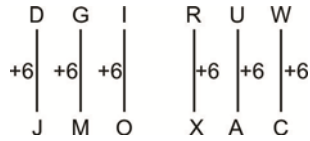


SSC CGL SPEED TEST - 12

1. (D)

2. (A)



3. (A) $236 \times 2 = 472$

$\therefore 123 \times 2 = 246$

4. (D)

5. (C) Except GED,

rest follows - 1 series

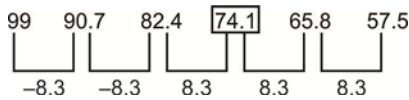
6. (C) Except 21, rest are prime no.

7. (A) position of letter 'L' shifts to its right in the given series next word will be missile.

8. (C)



9. (D)



10. (C) No. of days between two dates 14 days

No. of odd days = $\frac{14}{7}$

Remainder = 0

\therefore Day on 12th August will be Saturday.

11. (B) $180 = 30 + 70 + 60 + 20$

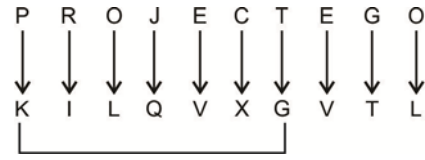
$120 = 30 + 70 + 20$

$150 = 70 + 60 + 20$

\therefore 190 can not be a combination

12. (A) There is no 'E' in the given word.

13. (C)



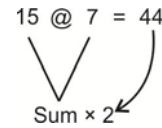
14. (D) $75 - 5 + 25 \div 125 = ?$

$75 + 5 \times 25 - 125$

$75 + 125 - 125$

$\Rightarrow 75$

15. (B)



$17 @ 4 = (17 + 4) \times 2$

$= 42$

16. (B) $95 + 21 = 116$

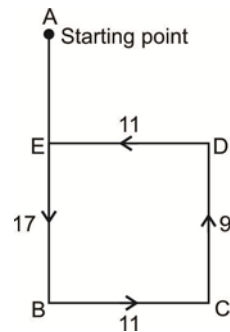
$48 + 87 = 135$

$47 + ? = 94$

$? = 94 - 47$

$\Rightarrow 47$

17. (B)



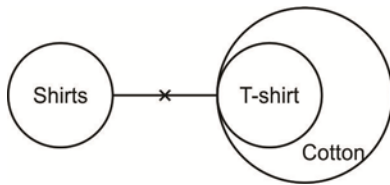
$AE = AB - DC$

$= 17 - 9$

$= 8 \text{ km}$

\therefore E is 8 km south of A

18. (B)



I. 7

II. 3

19. (A)

20. (C) A B G

21. (C)

22. (C)

23. (B)

24. (B)

25. (B)

51. (D)

2	99	Remainder
2	49	1
2	24	1
2	12	0
2	6	0
2	3	1
	1	1

Remainders in revers order

$$\therefore (99)_{10} = (1100011)_2$$

52. (D) Efficiency Ratio

$$\frac{\text{Anil}}{\text{Bimal}} = \frac{2}{1}$$

As they together finish the work in 9 days

\therefore Total work

$$= (2 + 1) \times 9 = 27 \text{ units}$$

Anil, working alone can finish in

$$\text{work in } \frac{22}{2} = 13.5 \text{ days}$$

53. (B) Circumference = 22cm

$$2\pi r = 22$$

$$r = \frac{7}{2} \text{ cm}$$

Area of circle

$$= \pi (r)^2 = \frac{22}{7} \times \left(\frac{7}{2}\right)^2$$

$$= \frac{77}{2} = 38.5 \text{ cm}^2$$

54. (A) CP = Rs. 'x'

$$\text{MP} = x \times \frac{250}{100}$$

$$= 2.5x$$

sold at Rs. 600 after giving discount of 40%

$$\therefore \text{SP} = 2.5x \times \frac{60}{100} = 600$$

$$x = \text{Rs. } 400$$

55. (C) Rs. 2 : 50-Paise 25-Paise

$$\text{Quantity} \rightarrow 3x : 5x \quad 7x$$

$$\text{Value} \rightarrow 6x : 2.5x \quad 1.75x$$

According to Question

$$= 6x + 2.5x + 1.75x = \text{Rs. } 51.25$$

$$10.25x = 51.25$$

$$x = 5$$

$$\text{total no. of 50 paise coins} = 5x = 25$$

56. (D) Total Runs Made till first 40 over

$$= 40 \times 48$$

$$= 192 \text{ runs}$$

Runs to be made in last 100 over

$$= 241 - 192$$

= 49 Runs

Required Runs

$$= \frac{49}{10} = 4.9 \text{ Runs/over}$$

57. (C) Let the milkman buys

4x litre of milk initially

$$\therefore \text{Quantity CP} = 4x \times 25 = 100x$$

$$\text{total CP} = 4x \times 25 = 100x$$

$$\text{total SP} = (4x + 1x) \times 26$$

$$= 130x$$

$$\text{Gain \%} = \frac{130x - 100x}{100x} \times 100$$

$$= 30\%$$

58. (A) Let the number be 'x'

According to Question

$$(x + 120) = \frac{130}{100}x$$

$$100x + 12000 = 130x$$

$$x = 400$$

59. (C) Distance covered by (P + Q) in 1 hour

$$= 20 + 25 = 45 \text{ km}$$

Distance covered by them in 56 minutes

is the distance between them

$$\text{Distance between P and Q} = \frac{45}{60} \times 56$$

$$\Rightarrow 42 \text{ km}$$

60. (C) Let the principal be 'p'

According to Question

$$5324 = P \left(1 + \frac{10}{100}\right)^3$$

$$\therefore P = \frac{5324 \times 1000}{1331}$$

$$P = \text{Rs. } 4000$$

61. (A) $= \frac{143}{3} + \frac{1}{2} \left(x - \frac{7}{3}\right) = \frac{-2x}{3}$

$$\frac{14}{3} - \frac{7}{6} = \frac{-2x}{3} - \frac{x}{2}$$

$$\frac{21}{6} = -\frac{7x}{6}$$

$$x = -3$$

62. (A) $a + b = 10$

$$(a + b)^3 = 1000$$

$$a^3 + b^3 + 3ab(a + b) = 1000$$

$$a^3 + b^3 + 3 \times 24 \times 10 = 1000$$

$$a^3 + b^3 = 280$$

63. (A) Let the fraction be 'x'

According to Question

$$x + \frac{3}{x} = \frac{19}{4}$$

$$4x^2 - 19x + 12 = 0$$

$$4x^2 - 16x - 3x + 12 = 0$$

$$x(x - 4) - 3(x - 4) = 0$$

$$(4x - 3)(x - 4) = 0$$

$$x = \frac{3}{4} \text{ or } 4$$

$$\Rightarrow x = \frac{3}{4}$$

64. (D) $T_3 = 13$

$$a + 2d = -13 \quad \dots(i)$$

and

$$T_6 = -5$$

$$a + 5d = -5 \quad \dots(ii)$$

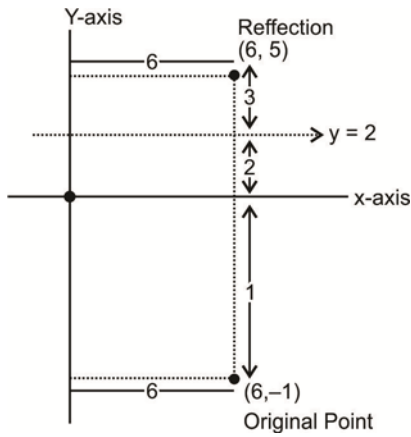
solving (i) and (ii) we get

$$a = 25, d = -6$$

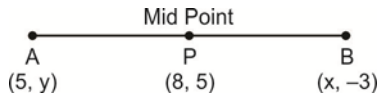
$$\therefore T_{11} = 25 + (11 - 1)(-6)$$

$$= -35$$

65. (C)



66. (B)



According to Question

$$= \frac{5+x}{2} = 8$$

$$\frac{y-3}{2} = 5$$

$$x = 11 \text{ and } y = 13$$

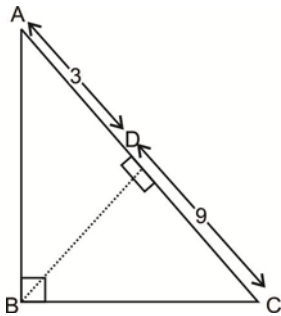
67. (A) equation of line

$$\Rightarrow (y - 5) = \frac{1}{3}(x - 0)$$

$$3y - 15 = x$$

$$x - 3y = -15$$

68. (A)



$$AB^2 = AD \times AC$$

$$AB^2 = 3 \times (3 + 9)$$

$$AB^2 = 36$$

$$AB = 6$$

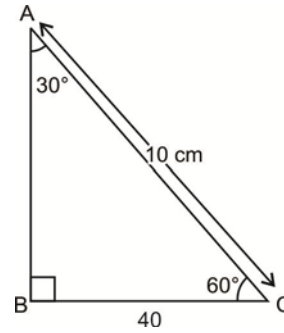
69. (B) $\cot 60^\circ - \sec 45^\circ$

$$= \frac{1}{\sqrt{3}} - \sqrt{2}$$

$$= \frac{\sqrt{3}}{3} - \sqrt{2}$$

$$= \frac{\sqrt{3} - 3\sqrt{2}}{3}$$

70. (B)



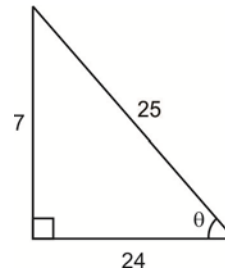
$$\angle ACB = 60^\circ$$

$$\frac{AB}{AC} = \sin 60^\circ$$

$$AB = 10 \times \frac{\sqrt{3}}{2}$$

$$AB = 5\sqrt{3} \text{ cm}$$

71. (C) $\cot \theta = \frac{\text{Base}}{\text{Perpendicular}} = \frac{24}{7}$



$$\therefore \sin \theta = \frac{7}{25}$$

72. (D) No. of tigers in WLS D = 10

No. of Tigers in WLS F = 13

\therefore No. of tigers in WLS B is more than that in D but less than F.

73. (B) Required No. of

$$\begin{aligned} \text{tigers} &= (29 + 9) \\ &+ 11 + 5 + 10 + (22 - 3) + 13 \\ &= 96 \end{aligned}$$

74. (B) Required Ratio = $\frac{(22+13)}{(10+5)} = \frac{35}{15}$

$$= 7 : 3$$

75. (C) total No. of tigers in all sanctuaries

$$= 29 + 11 + 5 + 10 + 22 + 13$$

$$= 90$$

total of tigers in all sanctuaries

before 20 years

$$= 90 \times \frac{100}{120} \times \frac{100}{125}$$

$$= 60$$

76(C):

Error lies in the (c) part of the sentence, as the word “round” should be replaced with “around”, because “Around” means located or situated on every side.

77(B):

Error lies in the (b) part of the sentence, as “onto” should be replaced with “on”. “On the way” is the correct term to use.

78(B):

“hysterically” is the right option to fill in the given blank, as “hysterically” means used to emphasize how funny something is.

79(A):

Bluff means try to deceive someone as to one's abilities or intentions.

So, **bluff** is the right option.

80(A):

Antagonistic is the synonym for the word “**Belligerent**”.

Belligerent means hostile and aggressive, **Antagonistic** means showing active opposition towards someone or something.

81(A):

Indiscreet means having, showing, or proceeding from too great a readiness to reveal things that should remain private or secret.

And **careless** means not giving sufficient attention or thought to avoiding harm or errors.

82(D):

HINDRANCE is the antonym for the word **INCENTIVE** as :

Incentive means a thing that motivates or encourages someone to do something and **Hindrance** means a thing that provides resistance, delay, or obstruction to something or someone.

83(A):

Criticism is the antonym for **Benediction** as :

BENEDICTION means a prayer asking for divine blessing.

Whereas **CRITICISM** means, the expression of disapproval of someone or something on the basis of perceived faults or mistakes.

84 (c):

To go off the air means, No longer broadcasting live, or not during a live broadcast, as on television or radio.

85(D):

To make a fuss about means to worry about or make a bother about someone or something.

OR excessive complaining about something.

86(B):

“Has to be” should be replaced with “have been”. Because, “should” is a modal which take base form of verb with it.

87(c):

“To be left” should be substituted with “be left” as, “must” is a modal which will take base form of a verb.

88(A):

TRANQUIL means, free from disturbance or calm situation.

89(c):

Wreath is a best substitute to given sentence as it means, an arrangement of flowers, leaves, or

stems fastened in a ring and used for decoration or for laying on a grave.

90(A):

Possesses means to occupy, dominate, or control (a person) from within

91(A):

MURMURING means , a low or indistinct continuous sound. Or a subdued or private expression of discontent or dissatisfaction.

92(D)

93(B)

94(B)

95(C)

96(A):

With reference to the 1st paragraph of passage , Genetic variation is the cornerstone of evolution, without which there can be no natural selection, and so a low genetic diversity decreases the ability of a species to survive and reproduce.

97(c):

With reference to 2nd paragraph , first line....it says , Two centuries ago, the black rhinoceros – which roamed much of sub Saharan Africa – had 64 different genetic lineages; but today only 20 of these lineages remain, says the paper.

98(A):

With reference to 2nd paragraph , “The species is now restricted to five countries, South Africa, Namibia, Kenya, Zimbabwe and Tanzania. Genetically unique populations that once existed in Nigeria, Cameroon, Chad, Eritrea, Ethiopia, Somalia, Mozambique, Malawi and Angola have disappeared”

99(A)

With reference to last line of 2nd paragraph, “From the second half of the 20th century, however, poaching for horns has dramatically depleted their population and genetic diversity, especially in Kenya and Tanzania.”

100(B)

SSC CGL (TIER-1)- SPEED TEST – 12**ANSWER KEY**

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