

SSC GD (TIER-1) SPEED TEST - 1

1. (B)

2. (D)

3. (C)

4. (D) $P < Q < R < S < T$

5. (A)

6. (C) $5 + 1^2 = 5 + 1 = 6$

$$6 + 2^2 = 6 + 4 = 10$$

$$10 + 3^2 = 10 + 9 = 19$$

$$19 + 4^2 = 19 + 16 = 35$$

$$35 + 5^2 = 35 + 25 = 60$$

7. (B) $PAT = (16 - 2) + (1 - 2) + (20 - 2)$

$$= 31$$

$$ANGER = (1 - 2) + (14 - 2) + (7 - 2) + (5 - 2) + (18 - 2)$$

$$= (-1) + 12 + 5 + 3 + (16)$$

$$= -1 + 36$$

$$\Rightarrow 35$$

8. (C)

9. (D) Relationship is $x : (x^2 - 1)$

10. (D) Except 39

11. (D) 'H' is not present in the word.

12. (B) $\frac{264}{2} = 132$

$$= 1 + 3 + 2 = 6$$

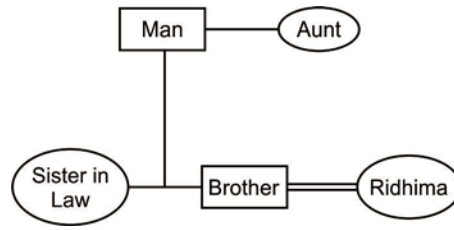
$$= \frac{870}{3} = 290$$

$$= 2 + 9 + 0 = 11$$

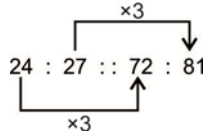
$$= \frac{735}{5} = 147$$

$$= 1 + 4 + 7 \Rightarrow 12$$

13. (B)

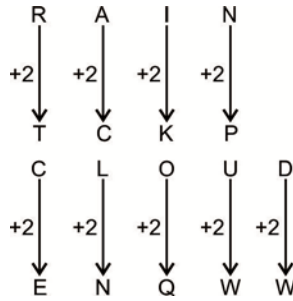


14. (C)



15. (D)

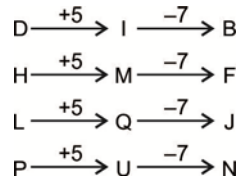
16. (A)



17. (B) Grass is of Green colour

Here Green Has been said black.

18. (D)



19. (D) (iii) Devine

(v) Direct

(iv) Divest

(i) Divide

(ii) Division

20. (D)

21. (D)

22. (A) out of every 20 persons there is one teacher No. of teachers = $\frac{1400}{20}$

= 70

23. (D)

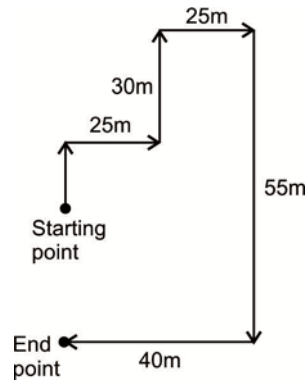
24. (C) $11^2 - 1^2 = 120$

$$7^2 - 2^2 = 45$$

$$5^2 - 3^2 = 25 - 9$$

$$= 16$$

25. (D)



51. (B) Let radius of sphere = 2

changed volume = 4

$$\text{volume} = \frac{4}{3}\pi r^3$$

Initial volume = 8

final volume = 64

$$\text{changed volume} = \frac{64-8}{8} \times 100$$

$$= 700\%$$

52. (D) Let C = 100

$$B = 100 - 60\% \text{ of } 100$$

$$= 100 - 60$$

$$= 40$$

$$A = 40 + 30\% \text{ of } 40$$

$$= 40 + 12$$

$$= 52$$

% by which A is less than C

$$= \frac{(100-52)}{100} \times 100$$

$$= 48\%$$

53. (D) Last year's salary

$$= \frac{6,720 \times 100}{100 + 12} = \text{Rs. } 6,000$$

∴ Next year's salary

$$= \frac{6,000 \times 120}{100} = \text{Rs. } 7,200$$

54. (B)

55. (D) Required probability

$$= \frac{{}^2C_2}{{}^{12}C_2} = \frac{1}{66}$$

56. (B) median of 21 observations

$$= \{(19 \times 30) + 28 + 32\} / 21$$

$$= 570 + 60 / 21$$

$$\Rightarrow 30$$

57. (A)
$$\frac{(x-3)(x^2-5x+4)}{(x-4)(x^2-2x-3)}$$

$$= \frac{(x-3)(x-1)(x-4)}{(x-4)(x-3)(x+1)}$$

$$= \frac{x-1}{x+1}$$

58. (D) $35 \times 20\%$ of 35 + $6 \times 40\%$ of 35

$$= 245 + 84$$

$$\Rightarrow 329$$

59. (D) 20% of the total cost of plot = 78,210

$$10\% \text{ of the total cost of plot} = 39,105$$

$$\text{total cost of plot} = 39105 \times 10$$

$$= 391050$$

Rate per square feet of plot

$$= \frac{391050}{395}$$

$$\Rightarrow 990$$

60. (A) Let efficiency of B = 100,

$$\text{then } A = 130$$

$$B : C = 120 : 100$$

$$C : D = 90 : 100$$

$$A : B : C : D$$

$$ABC : B^2C : BC^2 : BCD$$

$$130 : 100$$

$$120 : 100$$

$$90 : 100$$

$$1404 : 1080 : 900 : 1000$$

$$351 : 270 : 225 : 250$$

61. (B) CP of shirt = $225 - \frac{20}{100} \times 225$

$$= 180$$

$$\text{Profit desired} = 30\%$$

$$\therefore \text{SP} = 180 + \frac{30}{100} \times 180$$

$$= 234$$

62. (B) 9 men finish Remaining work in 20 days

\therefore complete the remaining work in 2 days, no. of men required

$$= \frac{180}{2} = 90 \text{ men}$$

$$\text{Hence additional number of men required} = 90 - 9 = 81$$

63. (D) $(9^{\text{th}} + 10^{\text{th}} + 11^{\text{th}} + 12^{\text{th}} + 13^{\text{th}} + 14^{\text{th}} + 15^{\text{th}} + 16^{\text{th}}) = 30 \times 8$... (i)

$$(10^{\text{th}} + 11^{\text{th}} + 12^{\text{th}} + 13^{\text{th}} + 14^{\text{th}} + 15^{\text{th}} + 16^{\text{th}} + 17^{\text{th}}) = 31 \times 8$$
 ... (ii)

$$\text{eg}^n \text{ (ii) - (i)}$$

$$17^{\text{th}} - 9^{\text{th}} = 8$$

$$9^{\text{th}} = 35^{\circ}\text{C (Given)}$$

$$\text{temp. no } 17^{\text{th}} = 35^{\circ} + 8$$

$$= 43^{\circ}\text{C}$$

64. (C) Let A can complete the work in x days

B can complete the work in 2x days

According to Question

$$2x - x = 30$$

$$x = 30 \text{ days}$$

A 30 Days 2 Per day

60

B 60 Days 1 Per day

$$\text{they both can complete in} = \frac{60}{2+1}$$

$$= 20 \text{ days}$$

65. (C) C.P. = 100

$$\text{loss} = 5\%$$

$$\text{Actual S.P.} = 95$$

$$\text{suppose C.P. at a loss of } 10\% = 90$$

$$\text{S.P. at } 20\% \text{ Gain} = \frac{90 \times 120}{100}$$

$$= 108$$

Difference in selling price

$$= 108 - 95$$

$$= \text{Rs. } 13$$

$$\text{C.P.} = \left(\frac{100}{13}\right) \times 390$$

$$= 3000$$

66. (B) \therefore total surface area of a solid

$$\text{hemisphere} = 3\pi r^2$$

$$\therefore 3\pi r^2 = 108\pi$$

$$3r^2 = 36$$

$$r = \sqrt{36} = 6 \text{ cm}$$

$$\text{volume} = \frac{2}{3}\pi r^3$$

$$= \frac{2}{3}\pi 6^3$$

$$= 216 \times \frac{2}{3}\pi$$

$$= 144 \pi \text{ cubic centimeter}$$

67. (A) $= 20\% = \frac{1}{5}$

Price = old : new

$$5 \quad 6$$

$$\frac{\text{consumption}}{\text{expenditure}} = \frac{6}{30} : \frac{5}{30}$$

(when expenditure remains same)

But new exp is 10% more i.e.

$$\text{expenditure} = 33$$

Hence, new consumption = x

$$6 \times x = 33$$

$$x = 5.5$$

New consumption = 5.5

% decrease

$$= \frac{\text{Decrease in consumption}}{\text{original consumption}} \times 100$$

$$= \frac{6-5.5}{6} \times 100$$

$$= 8\frac{1}{3}\%$$

68. (C) Principal = 2000

Rate = 8% per annum

time = 2 years

$$\therefore \text{C.I.} = 2000 \times \left(1 + \frac{8}{100}\right)^2 - 2000$$

$$= 2000 \times \left(\frac{108}{100}\right)^2 - 2000$$

$$= 2332.80 - 2000$$

$$= 332.80$$

69. (D) H.C.F. of 4003, 4126, 4249 = 1

70. (B) Let the distance be x km

$\frac{x}{2}$ km at the rate of 2 km/hr

and $\frac{x}{2}$ km at 24 kms/hr

total time taken

$$= \frac{x}{2 \times 21} + \frac{x}{2 \times 24} = 10 \text{ hr}$$

$$x = 224 \text{ km}$$

71. (C) A : B = 1 × 6 : 2 × 6 = 6 : 12

$$B : C = 3 \times 4 : 4 \times 4 = 12 : 16$$

Now

$$A : B : C = 6 : 12 : 16$$

$$C : D : E = 2 \times 8 : 3 \times 8 : 4 \times 8$$

$$= 16 : 24 : 32$$

$$A : B : C : D : E$$

$$6 : 12 : 16 : 24 : 32$$

$$3 : 6 : 8 : 12 : 16$$

72. (B) $d = \text{distance, speed} = V,$

$$\frac{d}{4} - \frac{d}{v} = \frac{5}{2}$$

$$\frac{d}{V} \left[\frac{5}{4} - 1 \right] = \frac{5}{2}$$

$$= \frac{d}{V} \times \frac{1}{4} = \frac{5}{2} = \frac{d}{V}$$

= 10 hours

73. (B) $S_1 : S_2 = 6 : 7$

$$T_1 : T_2 = 7 : 6 \left(S \times \frac{1}{T} \right)$$

Difference between

$$T_1 \text{ \& } T_2 = 1 \quad (7 - 6 = 1)$$

If 1 = 12 min

then 6 = 72 min

= 1 hrs 12 min

74. (A) Relation speed of the trains = 50 + 80

= 130 km/hour

= (325/9) m/s

time taken by the train to cross each other

$$= (120 + 160) / (325/9)$$

= 7.75 seconds

75. (B) Ratio of profits = 50,000 : 70,000

= 5 : 7

$$\therefore \text{the total profit} = 90 \left(\frac{100}{30} \right) \left(\frac{5+7}{7-5} \right)$$

⇒ Rs. 1800

SSC GD CONSTABLE (TIER- 1)-SPEED TEST-1

76. (A) Option A is Correct answer. Because, 'Ten thousand rupees' is a single sum/amount of money (Singular) and hence requires a singular verb. The correction should be '**Ten thousand rupees is**'.

77. (A) Option A is Correct answer. Because, **Family** is a collective noun hence requires a singular verb. The correction is '**The family is**'.

78. (C) Option C is Correct answer. Because, For expressing universal truths, simple present tense is used. The correction should be '**sets in the west**'.

79. (B) Option B is correct answer. When two objects are compared with each other, the latter term of comparison must exclude the former. Hence, correction is "**She is wiser than any other girl of her class.**"

80. (C) Option C is correct answer. The correction is "He is fond of movies and often goes to the theatre.

81. (A) Option A is correct answer. i.e. **Challenging.**

82. (C) Option C is correct answer. i.e. **Opaque.**

83. (D) Option D is correct answer. i.e. **Bear.**

84. (A) Option A is correct answer. i.e. **Lacking.**

85. (A) Option A is correct answer. i.e. **Assassination**

86. (A) Option A is correct answer.

87. (C) Option C is correct answer.

88. (C) Option C is correct answer.

89. (A) Option A is correct answer.

90. (B) Option B is correct answer.

91. (C) Option C is correct answer.

92. (A) **PSRQ** is the final rearrangement .

93. (B) Option B is correct answer.

94. (C) Option C is Correct answer.

95. (C) Option C is Correct answer.

96. (B) Option A is Correct answer.

97. (A) Option A is Correct answer.

98. (A) Option A is Correct answer.

99. (B) Option B is Correct answer.

100. (B) Option B is Correct answer.

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

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