

**SSC (GD)MOCK TEST – 11 (SOLUTION)**

1. (C) Plumbline is used by Manson for determining the vertical on an upright surface. While **scalpel** is used by surgeon for **surgery**.

2. (A) As,  $(16 + 1)^2 + 1 = 290$   
Similarly,  $(31 + 1)^2 + 1 = 1025$

3. (B) As,  $16 + \frac{16}{2} = 24$   
Similarly,  $90 + \frac{90}{2} = 135$

4. (B) As,  $D A I L Y \quad Z N G C E$   
  
 Similarly,  $T O T A L \quad M C R O U$

5. (D)  $D \quad I \quad H$        $G \quad E \quad I$   
  
 $L \quad K \quad O$        $F \quad G \quad I$

6. (C) Except **2198**, all others are the perfect cubes.

7. (C)  $G \quad 9 \quad F$   
  
 $7 + 9 + 6 = 22$   
 $D \quad 6 \quad I$   
  
 $4 + 6 + 9 = 19$

$S \quad 4 \quad B$   
  
 $19 + 4 + 2 = 25$  (Perfect square)

$C \quad 7 \quad L$   
  
 $3 + 7 + 12 = 22$

8. (C)  $5 + 6 = 11, 11 + 6 = 17, 17 + 11 = 28$   
 $28 + 17 = 45, 28 + 45 = 73, 73 + 45 = 118$

9. (B) As,  $9 + 4 + 6 - (5 + 3) = 11$   
 and,  $8 + 6 + 4 - (4 + 2) = 12$   
 Similarly,  
 $5 + 4 + 5 - (2 + 3) = 9$

10. (A)  $1 \quad 3 \quad 9 \quad 21 \quad 41$   
  
 $+1^2+1 \quad +2^2+2 \quad +3^2+3 \quad +4^2+4$

11. (B) South/दक्षिण      West/पश्चिम  
  
 East/पूर्व      North/उत्तर

So, Hour Hand will be in **North-west** direction

12. (B)  $Lady \leftarrow Mother (+)$   
  
 Wife      Grandson  
 $(+) \rightarrow Mother (-)$

13. (C) As,  
 $S \quad H \quad O \quad E \quad S \quad N \quad A \quad I \quad L$   
  
 $+19 \quad +8 \quad +15 \quad +5 \quad +19 \quad -14 \quad -1 \quad -9 \quad -12 = 30$   
 Similarly,  
 $B \quad R \quad I \quad N \quad G \quad N \quad A \quad I \quad L$   
  
 $2 + 18 + 9 + 14 + 7 - 14 - 1 - 9 - 12 = 14$

14. (A)  $56 \quad B \quad 14 \quad C \quad 7 \quad D \quad 18 \quad A \quad 12 = 34$   
 After changing the signs,  
 $56 \div 14 \times 7 + 18 - 12 = 34$   
 $\Rightarrow 28 + 18 - 12 = 34$   
 $\Rightarrow 34 = 34$

15. (D)  
 16. (D)

17. (B)  $15, 23, 34, 48, 65, 85$

18. (C)  $E \quad G \quad I \quad M \quad K \quad O \quad M \quad U \quad O$

19. (A)  
 20. (B)  
 21. (B)

Required distance =  $\sqrt{6^2 + 8^2} = 10 \text{ m}$

22. (A) From figures,

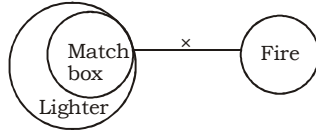
N	B	S
N	Q	T

Hence, **Q** is opposite to the face containing **B**.

23. (A)

24. (D) Total number of triangles = **15**

25. (D)

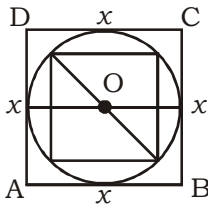


I. ×

II. ×

Hence, Neither conclusion (I) nor (II) follows

51. (B)



Let the side of the original square =  $x$  unit

So, area of this square =  $x^2$  unit<sup>2</sup>

∴ Diameter of circle =  $x$  unit

Now, the diagonal of square cut from this circle =  $x$  unit

So, the side of this square =  $\frac{x}{\sqrt{2}}$  unit

∴ Required area =  $\frac{x^2}{x^2} \times 100 = 50\%$

Therefore, the area of the new square will be 50% of the area of the original square.

52. (C) When  $(x^5 - 3x^4 + x^3 + 5x - 1)$  divided by  $(x - 2)$

Remainder

$$= 2^5 - 3 \times 2^4 + 2^3 + 5 \times 2 - 1$$

$$= 32 - 48 + 8 + 10 - 1$$

$$= 1$$

53. (A) Let they meet after  $t$  hour.

ATQ,

$$\text{time } (t) = \frac{795}{120 + 90} = \frac{795}{210} \text{ hours}$$

∴ Lines written by 1st boy

$$= 120 \times \frac{795}{210} = \frac{2505}{4} = 454 \frac{2}{7} \text{ times}$$

Therefore, they meet at 455<sup>th</sup> line.

54. (B) Manoj does 60% work in 12 days

He completes the whole work

$$= \frac{12 \times 100}{60} = 20 \text{ days}$$

Manoj Satish Akhilesh

Efficiency 4 : 2 : 1

Total work =  $20 \times 4 = 80$  units

They complete rest 40% work

$$= \frac{80 \times \frac{40}{100}}{7} = \frac{32}{7} = 4 \frac{4}{7} \text{ days}$$

55. (D) Let the average speed =  $x$  km/hr  
ATQ,

$$\frac{56}{(x-2)} - \frac{56}{x} = \frac{40}{60}$$

$$\Rightarrow \frac{56x - 56x + 112}{x(x-2)} = \frac{2}{3}$$

$$\Rightarrow 336 = 2x^2 - 4x$$

$$\Rightarrow x^2 - 2x - 168 = 0$$

$$\Rightarrow x^2 - 14x + 12x - 168 = 0$$

$$\Rightarrow x(x-14) + 12(x-14) = 0$$

$$\Rightarrow x = 14$$

56. (C) Given number

$$N = 120 \times 72 \times 576 \times 144 \times 88$$

$$= 3 \times 40 \times 3^2 \times 8 \times 3^2 \times 64 \times 3^2 \times 16 \times 88$$

$$= 3^7 \times 40 \times 8 \times 64 \times 16 \times 88$$

= This number is divisible by  $3^7$

The value of  $n$  should be 7.

57. (A) ATQ,

$$\sqrt{\frac{x}{y}} = 8 - \sqrt{\frac{y}{x}}$$

$$\Rightarrow \sqrt{\frac{x}{y}} + \sqrt{\frac{y}{x}} = 8 \Rightarrow \frac{x+y}{\sqrt{xy}} = 8$$

$$\Rightarrow \frac{x^2 + y^2 + 2xy}{xy} = 64$$

Now we have,  $x - y = 12$

$$x^2 + y^2 = 144 + 2xy$$

Now, the expression becomes,

$$\frac{144 + 4xy}{xy} = 64 \Rightarrow \frac{144}{xy} = 64 - 4 = 60$$

$$\Rightarrow xy = \frac{60}{144} = \frac{5}{12}$$

58. (B) If we take one number is 1 and other number should be anything else, then we find-

$$(1, 2) \Rightarrow 1 \times 2 = 2$$

$$1 + 2 = 3$$

$$(1, 3) \Rightarrow 1 \times 3 = 3$$

$$1 + 3 = 4$$

$$(1, 5) \Rightarrow 1 \times 5 = 5$$

$$1 + 5 = 6$$

So, one of the numbers must be 1.

59. (B) Let rate and quantity of petrol 100/litre and ₹ 100 litre respectively.

So, rate × quantity = consumption

$$100 \times 100 = 10000$$

$$+25\% \left( \begin{array}{c} \curvearrowright \\ \downarrow \\ 125 \end{array} \right) \times \left( \begin{array}{c} \curvearrowleft \\ \downarrow \\ x \text{ (let)} = 11500 \end{array} \right) +15\%$$

Now,  $x = \frac{11500}{125}$

$\Rightarrow x = 92$  litres

Percentage change in quantity of petrol

$$= \frac{100 - 92}{100} \times 100\% = 8\%$$

60. (D) Percentage of candidates who passed in the examination =  $(67 + 71 - 55)\%$   
= 83%

Then, percentage of candidates who failed in examination =  $(100 - 83)\% = 17\%$

ATQ,

17% → 10200

1% → 600

Then, total number of candidates, = 100%  
=  $600 \times 100 = 60000$

61. (B) Area of a square playground = 1122.25 m<sup>2</sup>

$\Rightarrow (\text{Side of ground})^2 = 1122.25$

$\Rightarrow \text{Side} = 33.5$  m

Perimeter of this playground

=  $4 \times 33.5$  m = 134 m

Time to walk one round around the ground

$$= \frac{134}{\frac{34}{9}} = \frac{134 \times 9}{34} = 35.47 \text{ min}$$

62. (C) Let second discount is  $x\%$

ATQ,

$$2100 \times \frac{(100-19)}{100} \times \frac{(100-x)}{100} = 1241.73$$

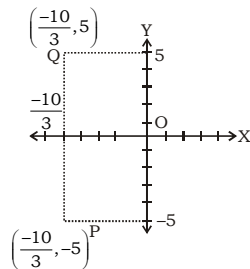
$\Rightarrow 100 - x = \frac{124173}{21 \times 81}$

$\Rightarrow 100 - x = 73$

$\Rightarrow x = 100 - 73$

$\Rightarrow x = 27\%$

63. (C)



Reflection of the point P  $\left(-\frac{10}{3}, -5\right)$

is Q  $\left(-\frac{10}{3}, 5\right)$ .

64. (C) Amount after 3<sup>rd</sup> year and 4<sup>th</sup> year is ₹ 2150 and ₹ 2365.

Interest when amount ₹ 2150 to ₹ 2365  
=  $2365 - 2150 = ₹ 215$

$\therefore$  Rate of interest =  $\frac{215}{2150} \times 100\%$

= 10% (per annum)

65. (A) Let the two numbers be  $6x$  and  $6y$ .

Then, LCM,  $6xy = 120$

$\Rightarrow xy = 20$

ATQ,

$6x + 6y = 54$

$\Rightarrow x + y = 9$

So, we take  $x = 5, y = 4$

We get numbers are 25 and 20.

Their difference =  $25 - 20 = 5$

66. (D) Given expression

$$x^2 + \frac{1}{x^2} - 18$$

$$= x^2 + \frac{1}{x^2} - 2 - 16$$

$$= \left(x - \frac{1}{x}\right)^2 - 4^2$$

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

So, the difference between these two

factors =  $x - \frac{1}{x} + 4 - \left(x - \frac{1}{x}\right) + 4 = 8$

67. (D) We know that,

$$\frac{M_1 D_1 H_1}{W_1} = \frac{M_2 D_2 H_2}{W_2}$$

ATQ,

$$\frac{80 \times 9}{1} = \frac{60 \times D_2}{2}$$

$\Rightarrow D_2 = 24$

$\therefore$  Required number of days = 24 days

68. (A) Let loss on selling the watch at ₹800 = ₹ $x$

ATQ,

$x + 800 = 935 - 2x$

$\Rightarrow x + 800 = 935 - 2x$

$\Rightarrow 3x = 135$

$\Rightarrow x = 45$

$\therefore$  Cost price of watch = ₹845

69. (B) First six prime number greater than 30

= 61, 67, 71, 73, 79, 83

ATQ,

Required average

$$= \frac{61+67+71+73+79+83}{6} = \frac{434}{6} = 72.3$$

70. (B) LCM of 6, 8 and 10 = 60

The number divisible by 60 is also divisible by 6, 8 and 10

∴ Three digits number = 15

71. (B) ATQ,

$$\frac{600 \times 80}{100} + \frac{280 \times 45}{100} - x = 330$$

$$\Rightarrow x = 480 + 126 - 330 = 276$$

72. (A) Required percentage

$$= \frac{211 - 138}{138} \times 100 = 52.89\%$$

73. (C) Bank 1, Bank 4 and Bank 5

$$74. (B) I = \frac{265}{143} = 1.85$$

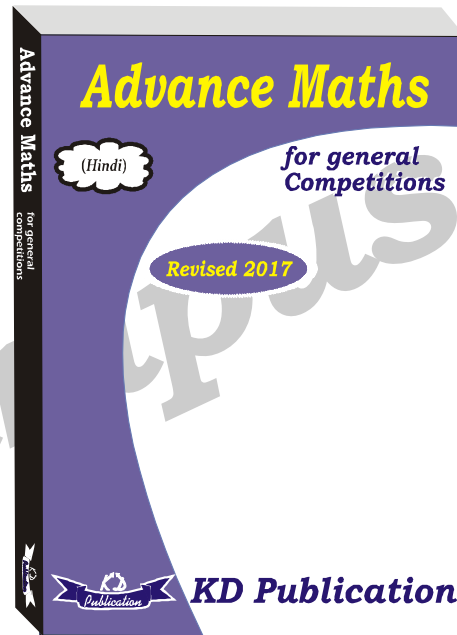
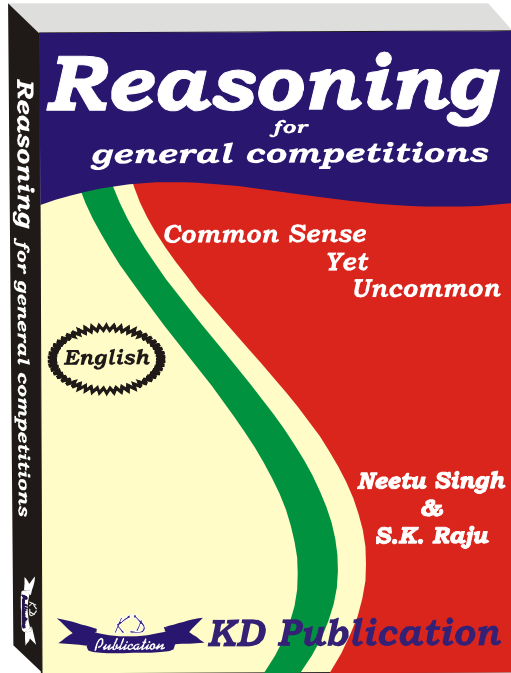
$$II = \frac{211}{109} = 1.93$$

∴ I < II

75. (C) Required average amount

$$= \frac{109 + 123 + 125 + 142 + 157}{5}$$

$$= 131.2$$



**Note:- If your opinion differs regarding any answer, please message the mock**

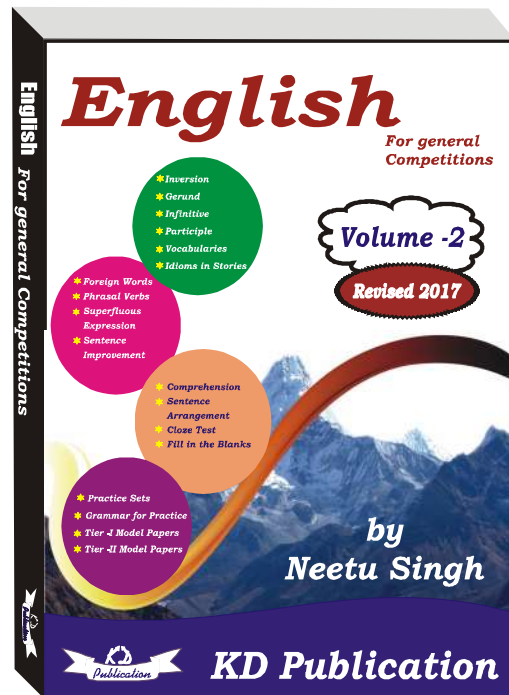
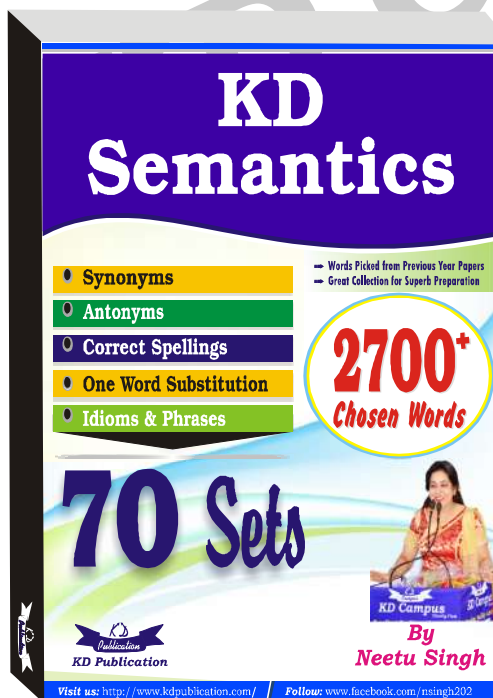
**Note:- Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts.**

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

76. (C) Add 'has' after he, as performance was evaluated till the progress report was completed.
77. (A) Add 'only' after 'not', because the correct pair is 'not only..... but also'.
78. (c) Remove 'about' after 'discussing', as the use of 'about' is superfluous.
98. (A) bent upon/on @ having a strong desire to do (something)
99. (D) when a number is used before 'dozen' we generally do not use 'dozens'.
100. (D) pass over @ to skip over someone or something;

## MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Depredation	an act of attacking and plundering	लूट-पाट
Caveat	a warning of specific conditions	चेतावनी
Insinuate	suggest or hint in an indirect way	इशारा करना
Ferment	undergo fermentation	विक्षोभ
Evasion	An indirect answer	बहाना
Expurgate	remove matter thought to be objectionable	संशोधन करना
Despotic	person (especially a ruler)	निरंकुश
Furore	an outbreak of public anger	कोहराम
Prevaricate	act in an evasive way	टालमटोल करना
Purge	get rid of unwanted feeling, memory	शुद्ध करना
Convalescent	recovering from illness	स्वास्थ्य प्राप्त करना



**SSC (GD) MOCK TEST - 11 (ANSWER KEY)**

Answer key

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

**Hindi**

**English**

76. (B)	85. (B)	94. (B)	76. (C)	86. (D)	96. (B)
77. (C)	86. (A)	95. (A)	77. (A)	87. (B)	97. (A)
78. (C)	87. (C)	96. (B)	78. (C)	88. (A)	98. (A)
79. (A)	88. (B)	97. (A)	79. (C)	89. (B)	99. (D)
80. (B)	89. (A)	98. (D)	80. (A)	90. (C)	100. (D)
81. (B)	90. (D)	99. (A)	81. (C)	91. (D)	
82. (B)	91. (B)	100. (C)	82. (B)	92. (A)	
83. (C)	92. (B)		83. (A)	93. (D)	
84. (A)	93. (D)		84. (C)	94. (B)	
			85. (D)	95. (C)	

