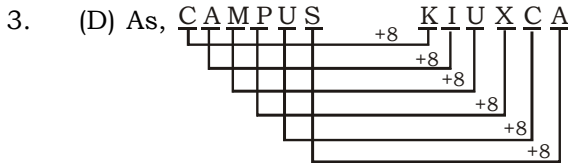
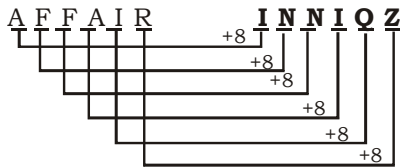


**SSC (GD)MOCK TEST – 9 (SOLUTION)**

1. (C) As, Barley is rabi crop similarly, **Paddy** is kharif crop.  
 2. (C) Sum of digit value of letters **MLA** is equal to digit value of **Z** similarly sum of digit value of **DCP** is equal to digit value of **W**.



Similarly,



4. (B)  
 5. (C) **(17, 65)** are co-prime numbers.  
 6. (D) Except **seminar**, all others are half measure.  
 7. (A) **14 - 33** ⇒ 33 - 14 = 19  
 37 - 55 ⇒ 55 - 37 = 18  
 72 - 90 ⇒ 90 - 72 = 18  
 44 - 62 ⇒ 62 - 44 = 18

8. (C) As,  $6 \times \frac{1}{2} + 10 \times 2 = 23$

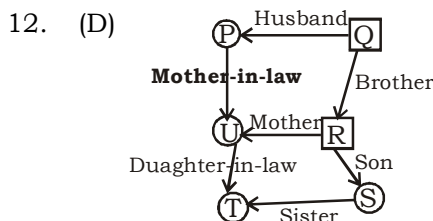
and,  $8 \times \frac{1}{2} + 12 \times 2 = 28$

Similarly,  $12 \times \frac{1}{2} + 16 \times 2 = 38$

9. (B)  $9 + 3 + 6 + 4 = 22$   
 $7 + 6 + 4 + 2 = 22$   
 $2 + 7 + 7 + 6 = 22$

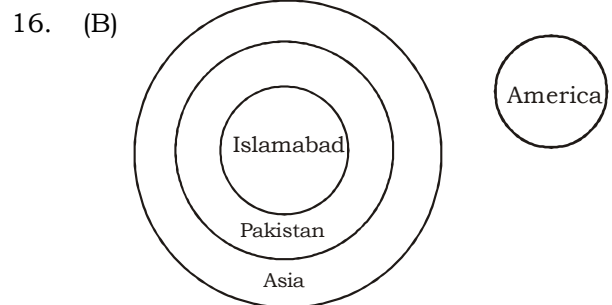
10. (A)

11. (B) Pankaj > Sandeep > Arun > Ankit, but marks of Rita is not least, so marks of **Ankit** is least



13. (D) As,  $(7 + 13) \times 4 = 80$   
 and,  $(14 + 17) \times 6 = 186$   
 Similarly,  $(39 + 43) \times 5 = 410$   
 14. (A)  $96 \div 12 \times 7 - 49 + 10$   
 $= 8 \times 7 - 39 = 56 - 39 = 17$

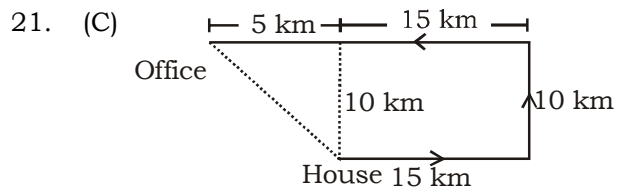
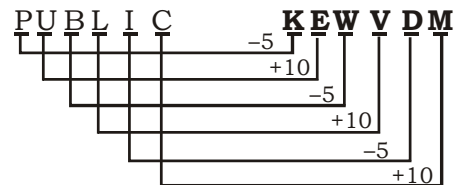
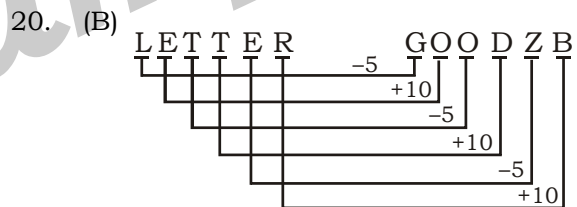
15. (C)



17. (C)

18. (B)

19. (A)



Required distance =  $\sqrt{5^2 + 10^2}$   
 $= \sqrt{25 + 100}$   
 $= \sqrt{125} = 5\sqrt{5}$  km

22. (D)  
23. (D)  
24. (D)  
25. (B)  
51. (B) Let the age of elder person =  $x$  years  
and, the age of younger person  
=  $(x - 18)$  years  
ATQ,  
 $(x - 8) = 4(x - 18 - 8)$   
 $\Rightarrow x - 8 = 4x - 104$   
 $\Rightarrow 3x = 96$   
 $\Rightarrow x = 32$   
 $\therefore$  Required sum =  $32 + (32 - 18) = 46$  years
52. (A) A.T.Q.  
Perimeter of the park =  $15 \times \frac{6}{60} = \frac{3}{2}$   
= 1500 m  
Now,  
 $2(4x + x) = 1500$   
 $\Rightarrow x = \frac{1500}{10} = 150$   
 $\therefore$  Area of park =  $4x \times x = 4x^2$   
=  $4 \times 150 \times 150$   
= 90000 m<sup>2</sup>
53. (C) Length of the longest rod  
=  $\sqrt{120^2 + 60^2 + 40^2}$   
=  $\sqrt{14400 + 3600 + 1600}$   
= 140 cm
54. (A) Let the speed of the stream =  $x$  km/hr  
A.T.Q.,  
 $\frac{22}{18+x} + \frac{22}{18-x} = \frac{11}{4}$   
 $\Rightarrow \frac{18-x+18+x}{324-18x+18x-x^2} = \frac{1}{8}$   
 $\Rightarrow 228 = 324 - x^2$   
 $\Rightarrow x = 6$
55. (A) A.T.Q.,  
They will met after = LCM of  
 $(\frac{13}{4}, \frac{13}{6.5}, \frac{13}{9}) = 26$   
 $\therefore$  Round completed by second person  
=  $\frac{26 \times 6.5}{13} = 13$
56. (A) Let  $a = 18$ ,  $b = 12$  and  $c = 16$   
Now,  $ab + a + b = 246$   
Then,  $18 \times 12 + 18 + 12 = 246$  (satisfy)  
and,  $ac + a + c = 322$   
 $18 \times 16 + 18 + 16 = 322$  (satisfy)  
and,  $bc + b + c = 220$   
 $12 \times 16 + 12 + 16 = 220$  (satisfy)  
 $\therefore a + b + c = 18 + 16 + 12 = 46$

57. (B) Let the work done by 1 man in 1 days  
= 1 unit  
 $\therefore$  Total work =  $1 + 2 + 3 + 4 + \dots + 13$   
= 91  
 $\therefore$  Required number of days =  $\frac{91}{8}$   
=  $11 \frac{3}{8}$
58. (C) Total number of ways  
=  $4 \times 3 \times 2 \times 3 = 72$
59. (D) Taking option (D)  
 $145 \Rightarrow 1 + 4! + 5! = 1 + 24 + 120 = 145$
60. (B) A.T.Q.,  
 $15 = 3 \times 5$   
 $20 = 2 \times 2 \times 5$   
LCM of 15 and 20 = 60  
and,  $60 \times 3 = 180$   
So, number can be =  $3 \times 3, 3 \times 3 \times 5, 3 \times 3 \times 5 \times 2, 3 \times 3 \times 5 \times 2 \times 2$ .
61. (C) 

Passed	Failed
35	10
30	
20	5
4	1
5 units = 100	
4 units = 80	

  
 $\therefore$  Number of passed candidates = 80
62. (C) ATQ,  
 $x^3 - p = (x - 4)(x^2 + 4x + 16)$   
 $\Rightarrow x^3 - p = x^3 - 4^3$   
 $\therefore P = 64$
63. (D) Volume of the new sphere = sum of volume of all small spheres  
 $\frac{4}{3} \pi R^3 = \frac{4}{3} \pi \times \frac{6}{2} \times \frac{6}{2} \times \frac{6}{2} \times 1000$   
 $\Rightarrow R = \frac{60}{2} = 30$  cm  
 $\therefore$  Diameter =  $2R = 60$  cm
64. (D) ATQ,  
 $2x + \frac{1}{3x} = 5$   
then  $6x^2 + 1 = 15x$   
 $\Rightarrow \frac{5x}{6x^2 + 20x + 1} = \frac{5x}{20x + 15x} = \frac{5x}{35x} = \frac{1}{7}$
65. (B) ATQ,  
 $\pi \times (32)^2 \times h = 44 \times (8)^3$   
 $\Rightarrow h = \frac{44 \times 8 \times 8 \times 8 \times 7}{22 \times 32 \times 32}$   
 $\Rightarrow h = 7$   
 $\therefore$  Height of rod = 7 cm

66. (C) ATQ,  
 $2\% = ₹ 15$   
 $100\% = \frac{15}{2} \times 100 = ₹ 750$   
 $\therefore$  Required M.P. = ₹ 750
67. (C) We know that if last three digits of any number is divisible by 8, than the number is also divisible by 8.  
 $\therefore$  The Least value of \* = 3
68. (B) ATQ,  
 $a^2 + b^2 + c^2 = ab + bc + ca$   
 $\Rightarrow a^2 + b^2 + c^2 - ab - bc - ca = 0$   
 Multiply by "2" on both sides,  
 $2a^2 + 2b^2 + 2c^2 - 2ab - 2bc - 2ca = 0$   
 $\Rightarrow (a-b)^2 + (b-c)^2 + (c-a)^2 = 0$   
 $\therefore a = b = c$   
 $\therefore$  The triangle is equilateral.
- 69 (C) Total C.P  $\rightarrow 25 \times 12 \rightarrow ₹ 300$   
 Total SP  $\rightarrow (25+5) \times 10.40 = ₹ 312$   
 $\text{Profit \%} = \frac{(312-300)}{300} \times 100 = 4$
70. (C) LCM of 9, 11 and 13 = 1287  
 Remainder = 6  
 Then the no. is =  $1287 + 6 = 1293$   
 $\therefore$  Required no. is =  $1294 - 1293 = 1$

71. (B)  $\begin{matrix} \mathbf{A} & : & \mathbf{B} & \mathbf{B} & : & \mathbf{C} \\ 3 & : & 4 & 3.5 & : & 3 \\ & & & 7 & : & 6 \end{matrix}$

$\begin{matrix} \mathbf{A} & : & \mathbf{B} & : & \mathbf{C} \\ 3 & 4 & 4 & & \\ 7 & 7 & 6 & & \\ \hline 21 & 28 & 24 & & \end{matrix}$

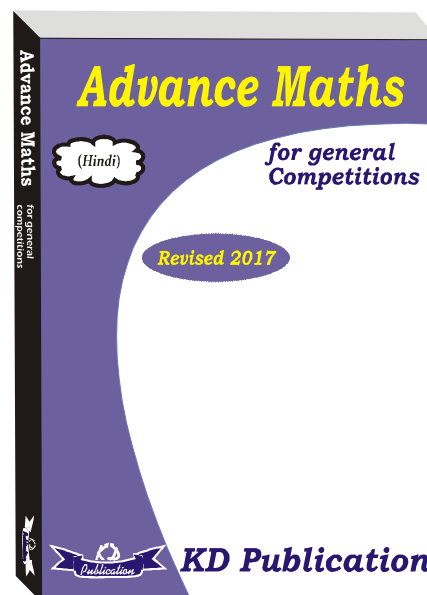
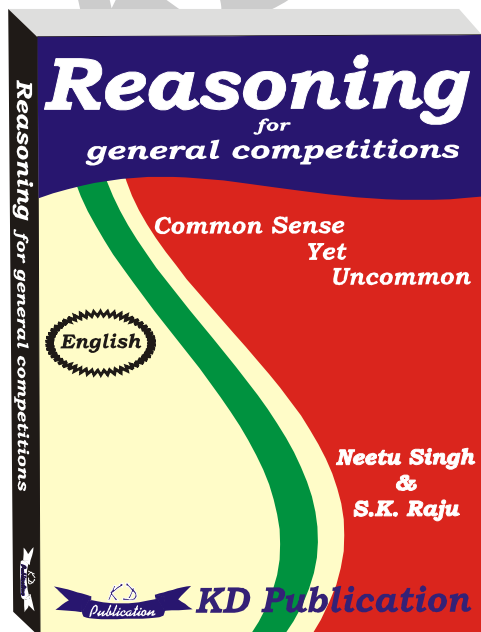
Difference between B's and C's share  
 $= \frac{4}{73} \times 730 = ₹ 40$

72. (A) ATQ,  
 C.I.  $\rightarrow 24000 \left(1 + \frac{5}{100}\right)^3 - 24000$   
 $= 27783 - 240000$   
 $= ₹ 3783$

73. (B) Required Percentage  
 $= \frac{(80+60+60) - (90+70)}{(90+70)} \times 100$   
 $= \frac{200-160}{100} \times 100$   
 $= \frac{40}{160} \times 100 = 25\%$

74. (B)  $\frac{105}{540} \times 360^\circ = 70^\circ$   
 So, we can say that he scored 105 marks is obtained in Hindi.

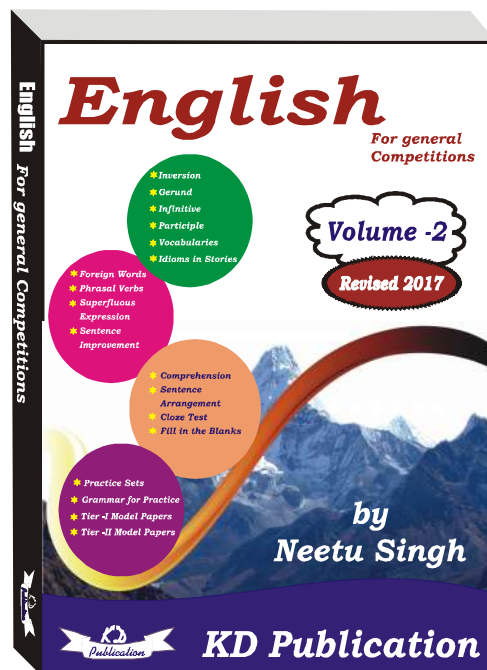
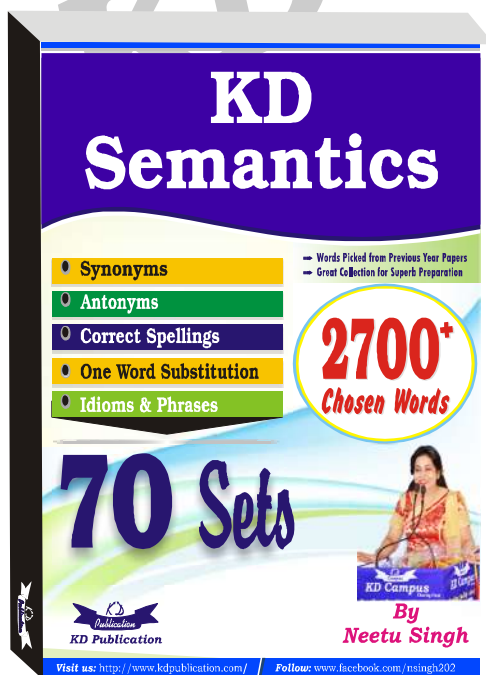
75. (A) Science - English  
 $= 80^\circ - 60^\circ = 20^\circ$   
 Difference between Mathematics and Hindi is equal to difference between Science and English.



76. (B) Indirect narration, interrogative sentence is converted into assertive. Hence, replace 'why are you' with 'why you are'.
77. (A) Replace 'she had realized' with 'had she realized', as No sooner takes inverted form.
78. (A) 'tell' is a transitive verb. Hence it takes object after it, So replace 'Iqra is telling' with 'Iqra is telling me' or 'Iqra is saying'.
82. (A) soak in → to be immersed in some substance, especially to absorb.  
soak with → to get something thoroughly wet with some liquid.
99. (A) 'well' is an adverb and 'worth' is an adjective. Hence will be placed before the worth.
100. (A) It is a high time/It is a low time/ It is time takes second (past) form of verb (V<sub>2</sub>).

## MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Gape	to gaze stupidly	घूरना
Elude	to avoid adroitly	बचना
Onus	something, that is one's duty or responsibility	दायित्व
Wither	become dry and shrivelled	मुरझाना
Bloom	a flower, especially one cultivated for its beauty	खिलना
Surfeit	excessive amount of something	अत्याधिक
Mutiny	an open rebellion against the proper authorities	विद्रोह
Coup	a sudden, violent, and illegal seizure of power from government	तख्ता पलट
Figment	thing someone believes to be real but exist in their imagination	मनगढ़त
Rendition	a performance or interpretation, of a dramatic role	प्रतिपादन
Reincarnation	rebirth of a soul in another body	पुनर्जन्म
Reminiscent	tending to remind one of something	स्मृति रखने वाला



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**SSC (GD) MOCK TEST - 09 (ANSWER KEY)**

**Answer key**

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

**Hindi**

**English**

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

