

HSSC MOCK TEST - 146 (SOLUTION)

6. (B) Magnification = $\frac{v}{u}$

$$m = \frac{5}{10} = 0.5$$

7. (B)
$$\begin{array}{r} 11 \\ 88 \overline{) 9999} \\ \underline{88} \\ 119 \\ \underline{88} \\ 319 \\ \underline{264} \\ 55 \end{array}$$

\therefore Required number = $9999 - 55 = 9944$

9. (C) Let the present age of son = x years
ATQ,

$$\begin{aligned} 3(x - 10) + 20 &= (x + 10)2 \\ \Rightarrow 3x - 30 + 20 &= 21x + 20 \\ \Rightarrow x &= 30 \end{aligned}$$

\therefore Present age of father = $(30 - 10) \times 3 + 10 = 70$

Required ratio = $70 : 30 = 7 : 3$

13. (C) As,

SIDE	ROLE
↓ +7	↓ +7
26 16 11 12	25 22 19 12

15. (C) ATQ,
 $8 \times 5 \times 4 \times 2.40 + x \times 3.20 = 432$
 $\Rightarrow 3.2x = 432 - 384$
 $\Rightarrow x = 15$

\therefore Total number of hours = $(8 \times 5 \times 4) + 15 = 175$

16. (D) ATQ,
 $37x \times 37y = 4107$
 $\Rightarrow xy = 111$

$\therefore x = 111$ and $y = 1$
 \therefore Largest number = $37 \times 3 = 111$

17. (C) $A = \{3, 4, 5\}$, $B = \{5, 6\}$, $C = \{6, 7, 8\}$
 $(B \cap C) = \{6\}$
 $A \times (B \cap C) = \{(3, 6), (4, 6), (5, 6s)\}$
Number of element in $A \times (B \cap C) = 3$

75. (A) $1 + \frac{2}{3 + \frac{2}{5 + \frac{2}{7 + \frac{2}{9}}}} = 1 + \frac{2}{3 + \frac{2}{5 + \frac{54}{71}}}$

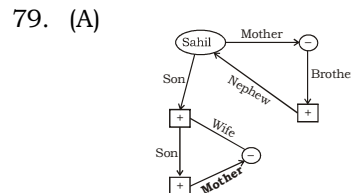
$$= 1 + \frac{2}{3 + \frac{284}{409}} = 1 + \frac{818}{1511} = \frac{2329}{1511}$$

76. (C) A.T.Q.,
Volume of the water displaced
 $= 5 \times 4 \times 0.006 = 0.12 \text{ cm}^3$
 \therefore Mass of the man = $0.12 \times 1000 = 120 \text{ kg}$

77. (D) A.T.Q,
$$\begin{array}{l} A - \frac{65}{4} \\ B - 39 \end{array} \begin{array}{l} \searrow 12 \\ \nearrow 5 \end{array} 195$$

Required time = $\frac{195 - (27 \times 5)}{12} = 5 \text{ min}$

78. (B) $\frac{(42 \times 8) - (21 \times 4)}{4 + 9 \times 3 + 12 \div 2}$
After changing the signs,
 $= \frac{(42 - 8) \div (21 - 4)}{4 \times 9 - 3 \times 12 + 2} = \frac{34}{17 \times 2} = 1$



80. (A) $(8 \times 4) + 6 - 9 = 29$
 $(3 \times 4) + 9 - 8 = 13$
 $(7 \times 6) + 2 - 5 = 39$
 $(5 \times 2) + 4 - 6 = 8$

91. (B) Change 'optimist' with 'optimistic', as and connect same type of things

92. (B) use either before at



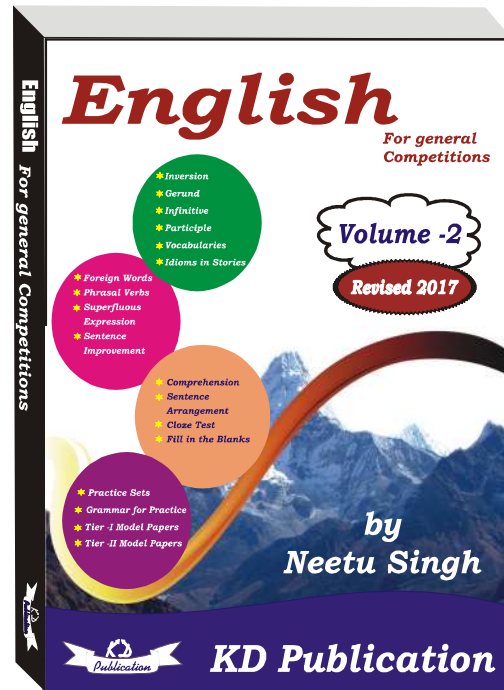
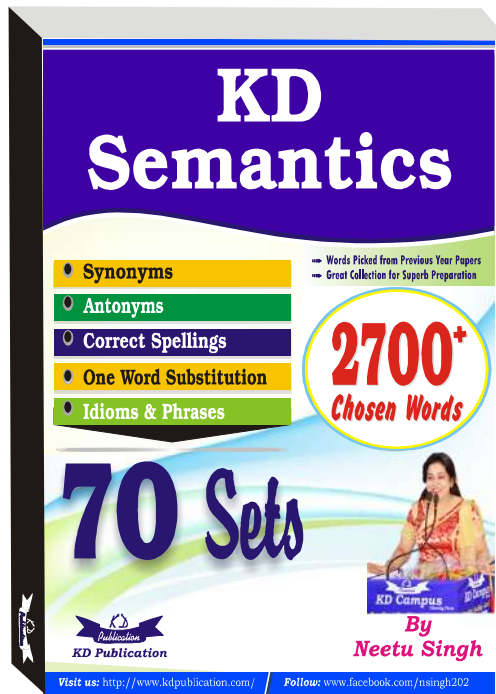
(B) use either before at

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MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Consternation	a feeling of anxiety or dismay, typically at something unexpected	आतंक
Placid	serenely free of interruption or disturbance	सौम्य
Trepidation	a feeling of fear or anxiety about something that may happen	घबराहट
Gaiety	the state or quality of being light-hearted or cheerful	प्रसन्नता
Fluster	make (someone) agitated or confused	घबराहट
Serene	calm, peaceful, and untroubled; tranquil	निर्मल



HSSC MOCK TEST – 146 (ANSWER KEY)

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