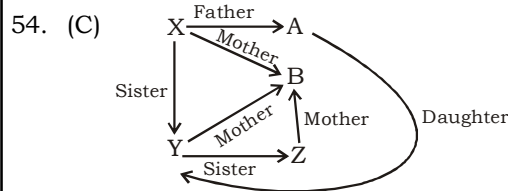


HSSC MOCK TEST - 149 (SOLUTION)

7. (C) Required ratio = $\frac{x \times 120}{100} : \frac{x \times 180}{100}$
 $= 4 : 5$

48. (A) $11 \times 10 = 120 \neq 115$
 $10 \times 9 = 90$
 $9 \times 8 = 72$
 $8 \times 7 = 56$

50. (C) mno/nopq/opqrs/pqrst



55. (D) Number of boys in the class
 $= \frac{36}{6} \times 5 = 30$
 Number of girls in the class
 $= \frac{36}{6} \times 1 = 6$
 Total age of boys = $30 \times 6 \times 2 = 360$

56. (C) $\sqrt{1\frac{9}{16}} = \sqrt{\frac{25}{16}} = \frac{5}{4} = 1\frac{1}{4}$

58. (B) ATQ,
 $x - 6 = 3(x - 16 - 6)$
 $\Rightarrow x - 6 = 3x - 66$
 $\Rightarrow 2x = 60 \Rightarrow x = 30$
 \therefore Required ages = $30 - 16, 30$ years
 $= 14, 30$ year

59. (D) ATQ,

```

    graph TD
      A ---|16| B
      B ---|12| C
      C ---|4| A
      P[48] --- A
      P --- B
      P --- C
  
```

$A + B + C - 4 = 12$

\therefore C can alone do the work = $\frac{48}{12 - 4 - 3}$
 $= 9\frac{3}{5}$ days

60. (C) Required speed = $\frac{750}{90} \times \frac{18}{5} = 18$ km/hr

61. (C) $\frac{4}{7} = 0.57, \frac{3}{5} = 0.6$
 $\frac{8}{9} = 0.89, \frac{9}{11} = 0.82$
 $\therefore \frac{8}{9} > \frac{9}{11} > \frac{3}{5} > \frac{4}{7}$

62. (B) $\frac{144}{0.144} = \frac{14.4}{x}$
 $\Rightarrow 144x = \frac{144 \times 144}{1000 \times 10}$
 $\Rightarrow x = 0.0144$

63. (D) ATQ,
 $1348.32 = 1200 \left(1 + \frac{R}{100}\right)^2$
 $\Rightarrow \frac{134832}{120000} = \left(1 + \frac{R}{100}\right)^2$
 $\Rightarrow \frac{11236}{10000} = \left(1 + \frac{R}{100}\right)^2$
 $\Rightarrow \left(\frac{106}{100}\right)^2 = \left(1 + \frac{R}{100}\right)^2$
 $\Rightarrow R = 6\%$

64. (D) ATQ,
 $\Rightarrow \frac{30}{x+15} + \frac{30}{15+x} = 4\frac{1}{2}$
 $\Rightarrow \frac{450 - 30x + 30x + 450}{(15-x)(x+15)} = \frac{9}{2}$
 $\Rightarrow 900 \times 2 = (225 - x^2)9$
 $\Rightarrow x^2 - 225 + 200 = 0$
 $\Rightarrow x = 5$
 \therefore Speed of stream = 5 km/hr

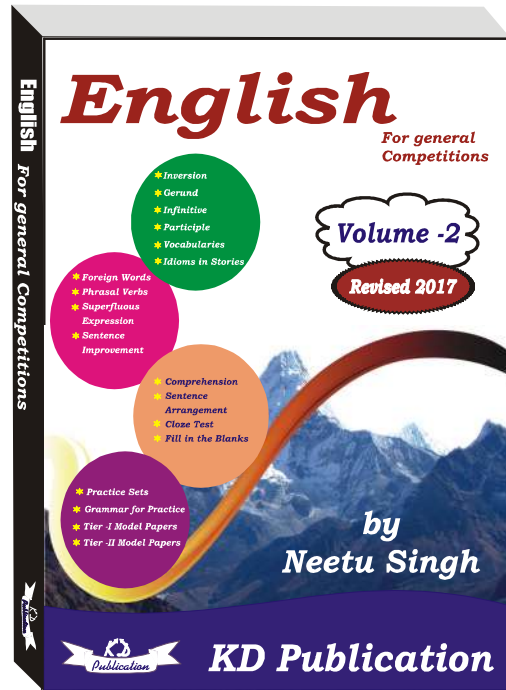
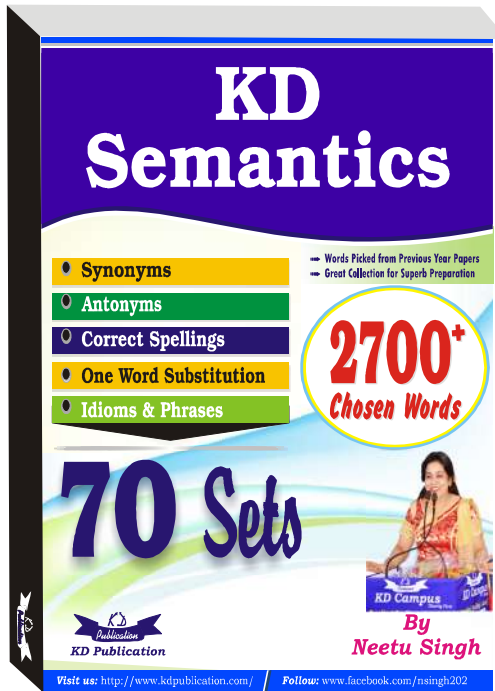
91. (C) Replace 'from' with 'since'.
 As 'point of starting' is mentioned.

92. (C) Add 'of' or 'about' before the poor management.
 As both objects require different prepositions.



MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Capricious	not logical or reasonable	मनमौजी
Specious	falsely appearing to be fair or right	उपर से अच्छा देखने वाला
Carcinogenic	a substance that causes cancer	कैंसर पैदा करने वाला पदार्थ
Capacious	able to hold or contain a lot	विशाल
Scorn	harsh criticism that shows a lack of respect	तिरस्कार
Fierce	very violent	क्रूर
Despise	to dislike (something or someone) very much	घृणा
Extricate	to free or remove (someone) from something (such as a difficult situation).	मुक्त करना
Purge	to remove (something or someone) from an area.	शुद्ध करना



HSSC MOCK TEST – 149 (ANSWER KEY)

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