

**HSSC MOCK TEST - 148 (SOLUTION)**

3. (B)  $\frac{16}{\times 2+1} \frac{33}{\times 2-1} \frac{65}{\times 2+1} \frac{131}{\times 2-1} \frac{261}{\times 2+1} \frac{523}{\times 2+1}$

6. (B) Let SP = 200  
 New SP = 400  
 From option (B)  
 CP = 100  
 New profit = 400 - 100 = 300  
 $\therefore$  Required profit = 100%

14. (A)  $\frac{1}{2!} + \frac{2}{3!} + \frac{3}{4!} + \dots$  upto n terms

$$T_n = \frac{n}{(n+1)!}$$

$$T_n = \frac{n+1-1}{(n+1)!}$$

$$T_n = \frac{(n+1)}{(n+1)!} - \frac{1}{(n+1)!}$$

$$T_n = \frac{(n+1)}{(n+1)n!} - \frac{1}{(n+1)!}$$

$$T_n = \frac{1}{n!} - \frac{1}{(n+1)!}$$

$$T_1 = \frac{1}{1!} - \frac{1}{2!}$$

$$T_2 = \frac{1}{2!} - \frac{1}{3!}$$

$$T_n = \frac{1}{n!} - \frac{1}{(n+1)!}$$

$$S_n = T_1 + T_2 + \dots + T_n$$

$$S_n = \frac{1}{1!} - \frac{1}{(n+1)!}$$

$$S_n = 1 - \frac{1}{(n+1)!}$$

17. (D) CP of 10 C = CP of 4T

$$\text{Price of 1 chairs} = \frac{4000}{20} = ₹200$$

$$\text{Price of 4T} = ₹2000$$

$$\therefore \text{Required price} = 200 \times 12 + \frac{2000}{4} \times 3$$

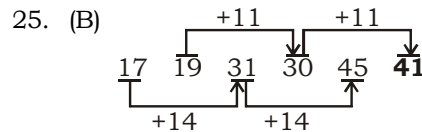
$$= 2400 + 1500 = ₹3900$$

20. (D) Remainder =  $\frac{(1!)^2 + (2!)^2 + (3!)^2 + (4!)^2}{100}$

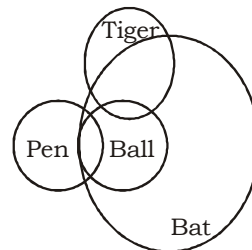
$$= \frac{1 + (2)^2 + (6)^2 + (24)^2}{100}$$

$$= \frac{1 + 4 + 36 + 576}{100}$$

$$= \frac{617}{100} = 17$$



29. (A)



I. ✓

II. ✓

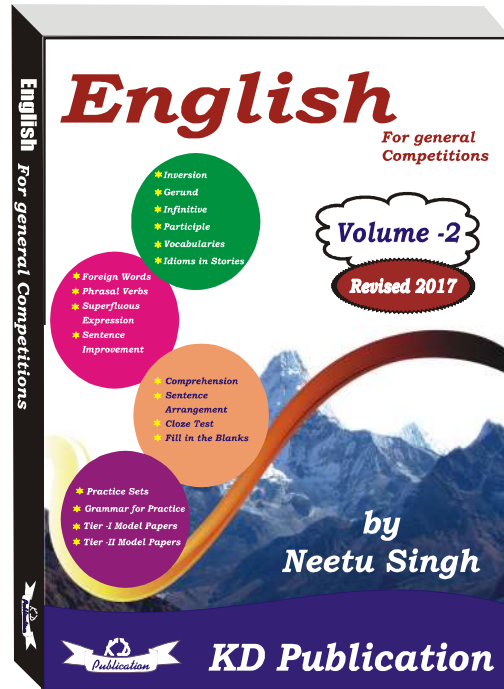
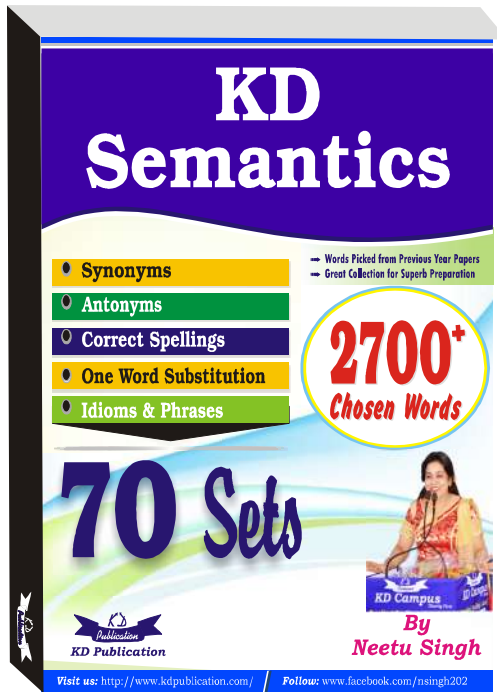
91. (C) Equipment is a uncountable noun hence "equipment" should be used in place of "equipments."

92. (A) Neither does he pay is the correct usage



**MEANINGS IN ALPHABETICAL ORDER**

Word	Meaning in English	Meaning in Hindi
Admonitory	Giving or conveying a warning or reprimand	चेतावनीपूर्ण
Diminutive	Extremely or unusually small	अल्प
Ruffian	A violent person, especially one involved in crime	बदमाश
Malarkey	Meaningless talk	
Melody	A sequence of single notes that is musically satisfying	राग



**HSSC MOCK TEST – 148 (ANSWER KEY)**

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