Grand Test – IRP-180833



# IBPS RRB Office Asst. Preliminary Grand Test – IRP-180833

## **HINTS & SOLUTIONS**

6. (5) 8. (2)

11-15

	ANSW	ER KEY		
1. (4)	21. (2)	41. (1)	61. (3)	
2. (4)	22. (3)	42. (2)	62. (3)	
3. (5)	23. (4)	43. (4)	63. (4)	
4. (1)	24. (3)	44. (2)	64. (2)	
5. (1)	25. (5)	45. (5)	65. (3)	
6. (5)	26. (2)	46. (2)	66. (2)	
7. (4)	27. (1)	47. (4)	67. (3)	
8. (2)	28. (4)	48. (1)	68. (5)	<b>1</b>
9. (3)	29. (5)	49. (1)	69. (3)	
10. (5)	30. (4)	50. (2)	70. (1)	٦I
11. (2)	31. (5)	51. (2)	71. (4)	
12. (5)	32. (4)	52. (3)	72. (2)	
13. (5)	33. (5)	53. (5)	73. (2)	
14. (4)	34. (1)	54. (1)	74. (5)	
15. (1)	35. (4)	55. (2)	75. (4)	//
16. (3)	36. (1)	56. (2)	76. (2)	
17. (3)	37. (3)	57. (5)	77. (3)	
18. (3)	38. (5)	58. (1)	78. (3)	
19. (2)	39. (4)	59. (4)	79. (4)	
20. (5)	40. (2)	60. (4)	80. (3)	

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- I. M < J (False) II. X > V(False) 1.(4)
- I. W < A (False) 2.(4) II. W = E (False) I. U > R (True)
- II. V > E (True) 3. (5)
- I.  $P \leq R$  (True) II.  $B \leq L$  (False)
- 4.(1) I.U < Y (True)
- II.  $T \leq J$  (False) 5.(1)
- (6-10) E is going to Guwahati. C is going in October. Only two persons are going between B and F, who is going to Shimla. B goes just before E. A is going before D. There are two possible cases---

Case-1			Case-2		
Month	Person	Place	Month	Person	Place
February	В		February	A	
March	E	Guwahati	March	D	
April	A		April	В	
June	F	Shimla	June	E	Guwahati
October	С		October	С	
December	D	-	December	F	Shimla

D or B is not going to Mumbai or Chennai. C is not going to Mumbai or Bhopal. A is not going to Chennai. The one who is going to Bhopal not going just before E. The one who is going to Mumbai does not going in February. This will eliminate case-2. Final arrangement will be----

Month	Person	Place
Feb	В	Delhi
March	E	Guwahati
April	А	Mumbai
June	F	Shimla
October	С	Chennai
December	D	Bhopal
7. (4	)	

10. (5)

9. (3) J will attend the meeting on 5th of September. Three persons will attend the meeting between J and P. More than two persons will attend the meeting between P and M. Two persons will attend the meeting between M and Q. Three persons will attend the meeting between Q and

Therefore,	there	will	be	two	possible	cases

	C	ase-1				C	ase-2		
Date Month	1 <sup>st</sup>	5 <sup>th</sup>	15 <sup>th</sup>	17 <sup>th</sup>	Date Month	1st	5 <sup>th</sup>	15 <sup>th</sup>	17th
August	L	Р			August		Р		Q
September	Q	J		М	September		J	М	L

K will not attend the meeting immediately before or immediately after the dates on which Q attend the meeting. K will not attend the meeting on 15th September. Two persons will attend the meeting between N and O. By this condition Case-2 will be cancelled. Also, N will attend the meeting in August month. Final arrangement will be---

Date Month	1 <sup>st</sup>	5 <sup>th</sup>	15 <sup>th</sup>	17 <sup>th</sup>
August	L	Р	K	N
September	Q	J	0	М
	12. (5)		A	
r	14. (4)			
	17. (3)			

18. (3) Two i.e 0%W 2!H

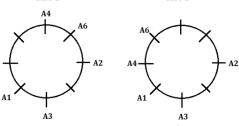
19.(2) Two i.e 5A\$ 9U#

20. (5) 21-25.

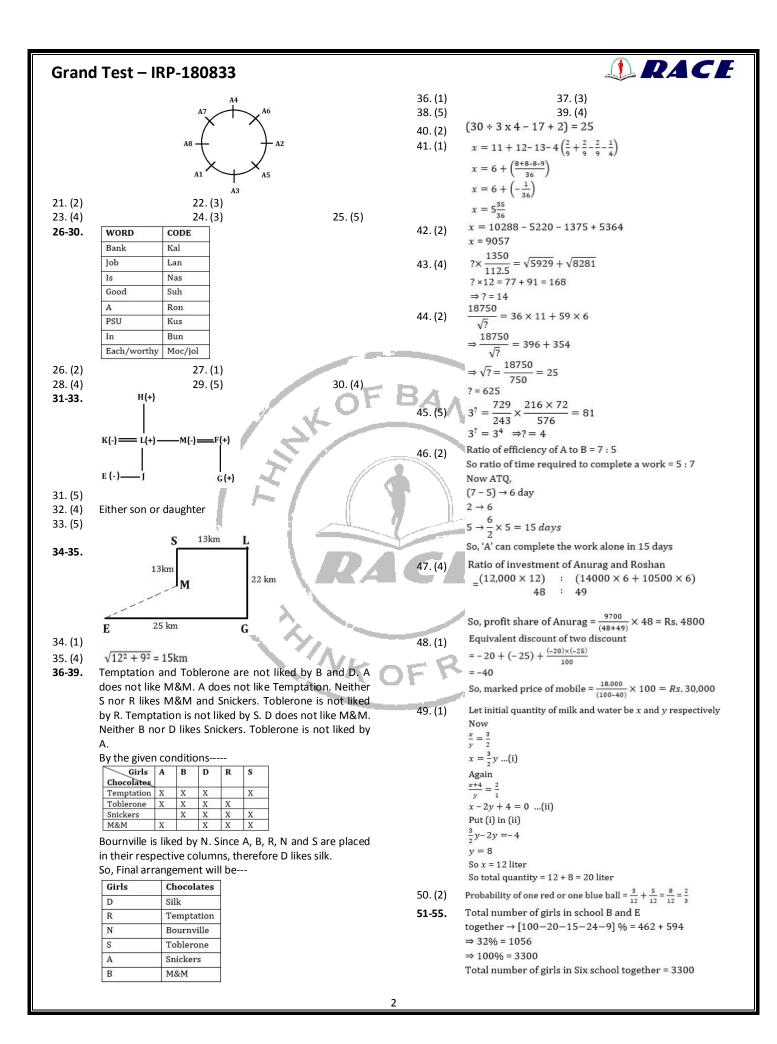
13. (5)

16. (3)

Two persons sit between A3 and A6. A4 sits to the immediate right of A6. A1, who is an immediate neighbor of A3, sits third to the left of A2. A3 does not sit opposite to A2. So, there will be two possible cases----Case-1 Case-2

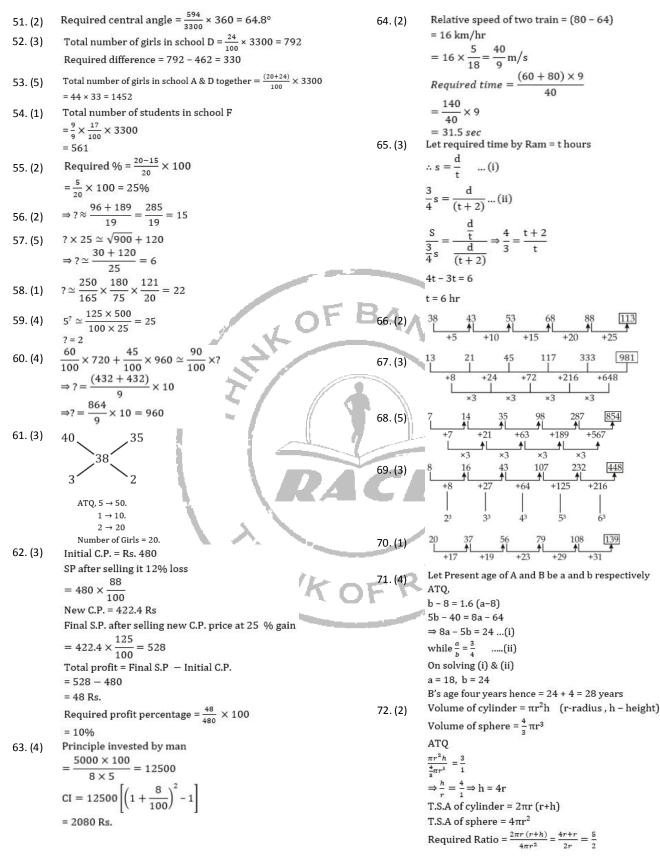


A7 is neither an immediate neighbor of A2 nor A1. A8 sits to the immediate right of A7. This will eliminate case 2. Final arrangement will be---



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x = 1151



Total work = (X) (X-2) = (X-10) (2X)73. (2)  $\Rightarrow X-2=2X-20 \Rightarrow X=18$ Let (X–6) men can complete half of the work in 'y' days ATQ,  $(X-6) \times y = \frac{x(x-2)}{2}$  $\Rightarrow y = \frac{18 \times 16}{2 \times 12} = 12 \text{ days}$ On selling mixture, retailer earns 150% profit 74. (5)  $\Rightarrow$  If container contains 5 *l* of mixture then quantity of milk is 2 *l*. Let x l of water is added in container ATQ  $\frac{60}{40+x} = \frac{2}{3}$  $\Rightarrow$  180 = 80 + 2x  $\Rightarrow$  x = 50 l75. (4) ATQ,  $\frac{6}{12+6+x} = \frac{2}{9}$  $\Rightarrow x = \frac{18}{2} = 9$ Required probability =  $\frac{9+12}{12+6+9} = \frac{21}{27} = \frac{7}{9}$ Alternate, Required Probability = 1 – Probability BA F of choosing one green ball  $=1-\frac{2}{9}=\frac{7}{9}$  $\frac{45}{100} \times 80 + \sqrt{841} + x^2 = 2121 \div 21$ 76. (2)  $36 + 29 + x^2 = 101$  $x^2 = 36$ x = 6 $\frac{\frac{36+3x}{23}}{23} + 1 = 52$ 77. (3)  $36 + 3x + 23 = 52 \times 23$ 3x + 59 = 11963x = 1196 - 593x = 1137x = 379 $\frac{343}{2} + \frac{175}{100} \times 350 = x^2$ 78. (3)  $x^2 = 171.5 + 612.5$ ZACE THIN .  $x^2 = 784$ *x* = 28 23(24 + 47 - 54) = x79. (4)  $x = 23 \times 17$ x = 391  $\frac{6}{5} \times 650 + 320 + 51 = x$ 80. (3) 780 + 320 + 51 = x