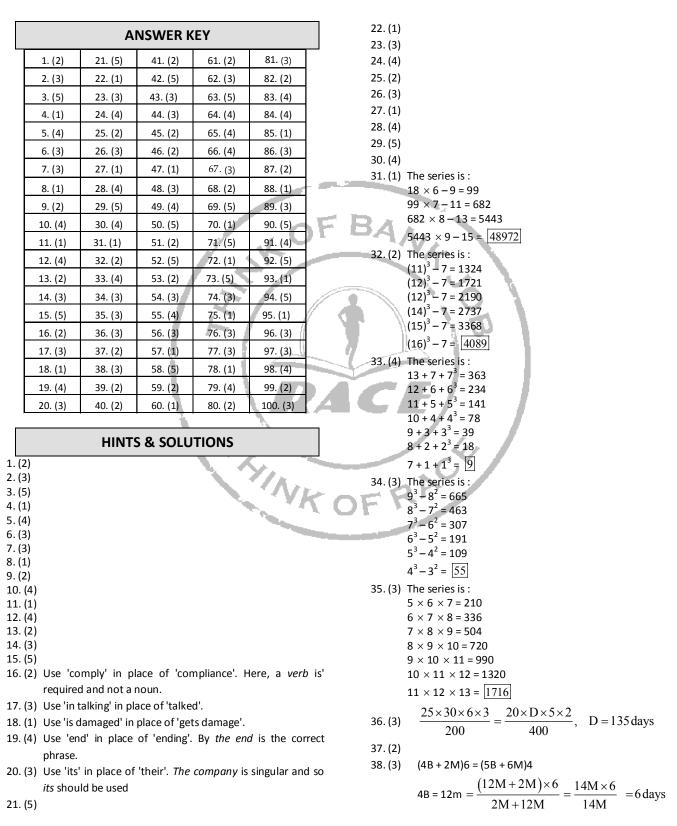
Grand Test – IPP 180934



IBPS PO Preliminary Grand Test –IPP-180934 HINTS & SOLUTIONS

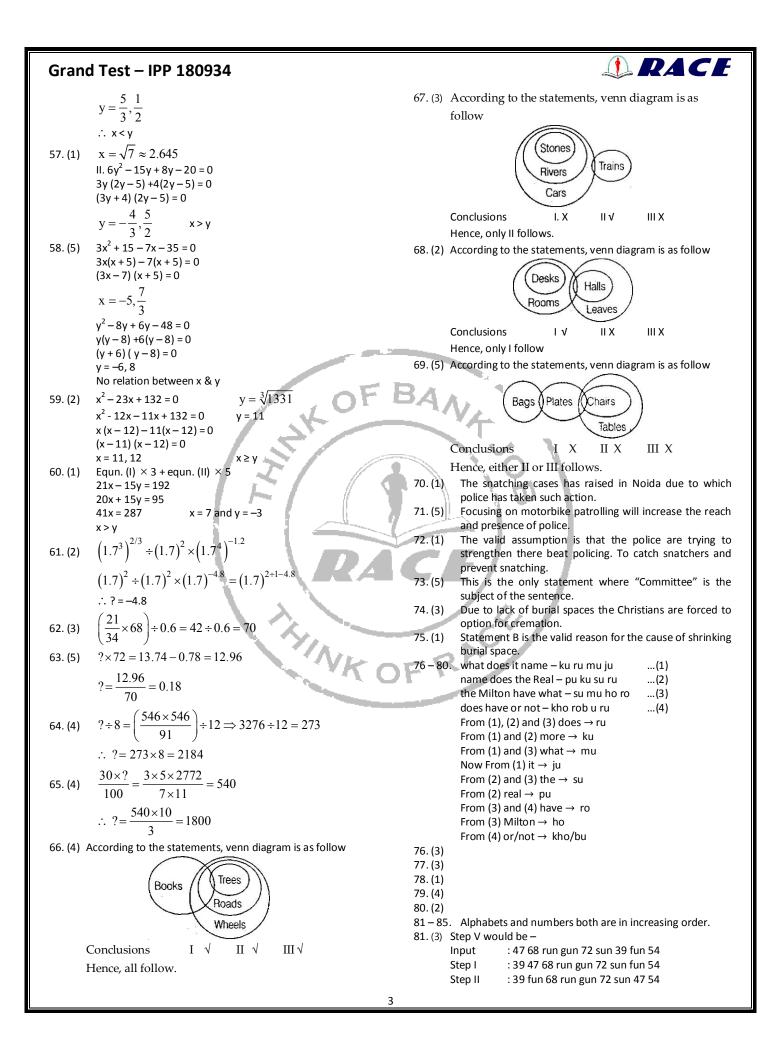


Grand Test – IPP 180934

 $\frac{25 \times 30 \times 6 \times 3}{200 \times 10 \times 20} = \frac{30 \times D \times 5 \times 2}{400 \times 20 \times 10}$ ∴90 days 39. (2) D = 90 days40. (2) Work done by pipe B in 1 hours Let capacity of tank = x litre \therefore Pipe B can fill it in $\frac{x}{300}$ hr. $\therefore \frac{1}{12} - \frac{300}{x} = \frac{1}{15} \implies \frac{1}{12} - \frac{1}{15} = \frac{300}{x} \implies \frac{1}{60} = \frac{300}{x}$ \therefore x = 300 × 60 = 18000 litres 41. (2) % = $\frac{70-64}{70} \times 100 = \frac{60}{7} = 8\frac{4}{7}\%$ 42. (5) Average $=\frac{55+48+75+50}{4}=\frac{228}{4}=57$ 43. (3) Average $=\frac{70+64+45+60+60+73}{6}=\frac{372}{6}=62$ ∴ Ratio = 73 : 62 Maximum = 73 44. (3) Production of India = 372 Production of Sri Lanka = 350 46. (2) $B_{male} = \frac{554400}{16} \times 9 = 311850$ 47. (1) $F_{A,A} = \frac{302820}{16}$ 47. (1) $F_{Ad} = \frac{302820}{21} \times 13 = 187460$ 48. (3) $C_{\text{male}} = \frac{369900}{9} \times 4 = 164400$:. Req.% = $\frac{164400}{258000} \times 100 = 63.72\%$ 49. (4) Diff. = $\frac{281520}{17} \times (11-6) = 16560 \times 5 = 82800$ 50. (5) $A_{Fe} = \frac{333500}{22} \times 11 = 159500,$ $B_{Fe} = \frac{554400}{16} \times 7 = 242550$ $\therefore \operatorname{Req.\%} = \frac{159500}{242550} \times 100 = 65.759 \approx 65.76\%$ 51. (2) There are 5 letters in word TOTAL whereas T comes two times. Total number of permutation $= \frac{5!}{2!} = \frac{5 \times 4 \times 3 \times 2 \times 1}{2 \times 1} = 60$ 52. (5) Area of the circle = $\pi r^2 = 616$ $\frac{22}{7} \times r^2 = 616$ $r^2 = \frac{616 \times 7}{22}$ $r^{2} = 28 \times 7$ $r^2 = 196$ $r = \sqrt{196} = 14 \ cm$ Circumference of the circle = $2\pi r$

 $= 2 \times \frac{22}{7} \times 14 = 88 \, cm$ 53. (2) B and C together can complete a work in = $\frac{1}{2}$ A and B together can complete a work in = $\frac{1}{12}$ A and C together can complete a work in = $\frac{1}{16}$ Work completed by 2(A + B + C) in a day $\frac{1}{8} + \frac{1}{12} + \frac{1}{16} = \frac{6+4+3}{48} = \frac{13}{48}$ Work completed by (A + 8 + C) in a day $\frac{13}{48 \times 2} = \frac{13}{96}$ So, A, B and C together can complete the work in $\frac{96}{13}$ days = $7\frac{5}{13}$ days. 54. (3) Compound interest accured half-yearly. R = 20% yearly = 10% half-yearly n = 2 years = 4 half-yearly = 10000 | (1) $10000 \left| \left(\frac{1}{10} \right) \right|$ $\frac{11 \times 11 \times 11 \times 11 - 10 \times 10 \times 10 \times 10}{10 \times 10 \times 10 \times 10}$ = 10000 4641 - 10000 = 10000 10000 $10000\left[\frac{4641}{10000}\right] = \text{Rs..4641}$ 55. (4) Suppose Income of B = ? x Income of A = $\frac{150}{100} \times x = \frac{3x}{2}$ Income of C = = $\frac{120}{100} \times \frac{3x}{2}$ $\frac{6}{5} \times \frac{3x}{2} = \frac{9x}{5}$ $x + \frac{3x}{2} = \frac{9x}{5} = 8\,6000$ $\frac{10x + 15x + 18x}{10x + 10x} = 86000$ 10 43x = 860000x = 20000So, income of $C = \frac{9}{5} \times 20000$ = Rs. 36000 56. (3) $14x^2 + 17x - 6 = 0$ $14x^2 + 21x - 4x - 6 = 0$ 7x(2x+3) - 2(2x+3) = 0(2x+3)(7x-2)=0 $\mathbf{x} = -\frac{3}{2}, \frac{2}{7}$ $6y^2 - 3y - 10y + 5 = 0$ 3y(2y-1)-5(2y-1)=0(3y-5)(2y-1)=0

I RACE



Gran	d Test ·	– IPP 18093	4						RA	CE	
	Step III	: 39 fun 47 68 ru			98. (4)			\rightarrow			
	Step IV	: 39 fun 47 gun r			99. (2) A M	Е	R	I	С	А	
	Step V	: 39 fun 47 gun 5			100. (3)(–)	(—)	(+)	(+) or (–)			
	Through th final outpu		eps are required to re	each the	ΖA	К	Р				
83. (4)			s 63 top 54 76 spot		-	ler is not k					
	Step IV : 29 opts 43 pots 54 63 top 76 spot So, P					ay be eithe	er brother	or sister of Z.			
	tep V : 29 opts 43 pots 54 spot top 76 63										
	Step VI : 29 opts 43 pots 54 spot 63 top 76 I) Going upwards is not possible and we can't determine Step										
	3 from Ste			innine Step							
85. (1)											
86 – 90.	PERSON	DAY	PROFESSION	1							
	D	Saturday	Hotelier	-							
	E	Saturday	Pilot								
	F	Wednesday	Businessman	-							
	B	Friday	Lawyer								
	C G	Friday Sunday	Engineer Professor								
	A	Sunday	Doctor								
86. (3)				OF	SAA.						
87. (2)											
88. (1) 89. (3)											
90. (5)											
91. (4)	From $I - P^+ - U^+ - T$ and $S^+ - G - U$										
	So, P ⁽⁺⁾ – U ⁽⁺⁾ – T – S ⁽⁺⁾ – G So, I alone is not sufficient, From II – So, II alone is not sufficient. From I and II –										
	We didn't get the sex of G thus, both I and II are not sufficient.										
02 (5)	From $I - T > P > D$ and N										
92. (5)	Nothing is mentioned about Yusuf and Rajan.										
		So, I alone is not sufficient. From II – T > R > Y Nothing is mentioned about Teena, Plyush and Dhruv. So, II alone is not sufficient.									
	Nothing is mentioned about Teena, Plyush and Dhruv.										
	So, II alone is not sufficient.										
	From I a	From I and II – T > P > D & N and T > R > Y									
	Thus, it is clear that T is tallest among them, thus, both										
	are necessary to answer.										
93. (1)			, I alone is sufficient.								
			at 'ri' means. Thus, I	I alone is							
	not suffi	cient.									
94. (5)	From I –										
	So, I alone is not sufficient.										
		From II – V and T cannot sit on the left of S. but nothing									
	is given about V, N and J. Thus, II alone is not sufficient From I and II –										
	So, both I and II together are necessary.										
95. (1)	From I – Let Rohit age X, Mohit's age = 3x										
JJ. (1)	Now, $3x + x = 36$, $4x = 36$, $x = 9$. So, I alone is sufficient.										
			e the age of Rohan b								
		-	e. So, II alone is not s	-							
96. (3)											
97. (3)											
				Δ							