

IBPS RRB Asst. Preliminary Grand Test –IRPP-170818

HINTS & SOLUTIONS

ANSWER KEY

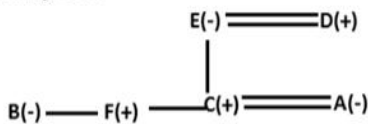
1.(1)	21.(2)	41.(1)	61.(4)
2.(3)	22.(4)	42.(3)	62.(2)
3.(2)	23.(4)	43.(4)	63.(4)
4.(5)	24.(1)	44.(5)	64.(5)
5.(3)	25.(4)	45.(4)	65.(1)
6.(5)	26.(1)	46.(1)	66.(1)
7.(2)	27.(4)	47.(4)	67.(2)
8.(4)	28.(2)	48.(1)	68.(5)
9.(3)	29.(4)	49.(4)	69.(2)
10.(2)	30.(4)	50.(4)	70.(2)
11.(4)	31.(3)	51.(4)	71.(4)
12.(3)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

HINTS & SOLUTIONS

1-5.

PERSON	NEWSPAPER	GENDER
A	Business Standard	Female
B	Nav Bharat Times	Female
C	Times of India	Male
D	Financial Times	Male
E	Indian Express	Female
F	Hindustan Times	Male

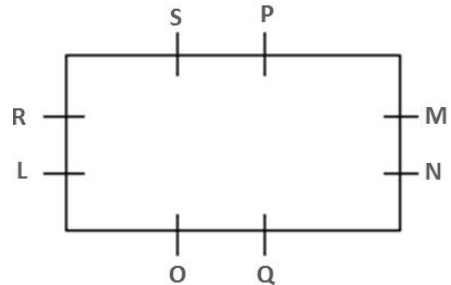
Family Tree:



- 1.(1)
- 3.(2)
- 5.(3)

- 2.(3)
- 4.(5)

6-10.



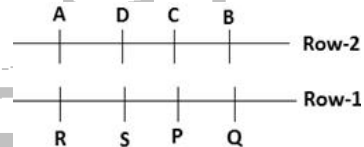
- 6.(5)
- 7.(2)
- 9.(3)
- 8.(4)
- 10.(2)

11-15.

- \$ → ≥
- @ → ≤
- © → >
- # → <
- = → %

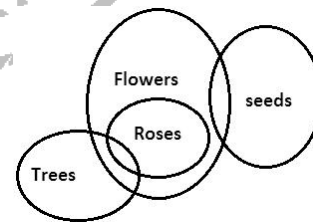
- 11.(4)
- 13.(1)
- 15.(2)
- 12.(3)
- 14.(1)

16-20.

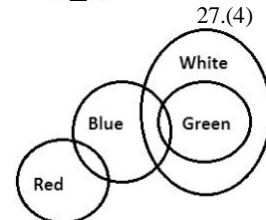


- 16.(1)
- 18.(5)
- 20.(5)
- 17.(4)
- 19.(3)

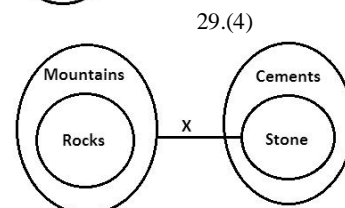
- 21.(2) After applying above condition , U will be right answer.
- 22.(4)
- 23.(4) G is sixth to the right of thirteenth letter from right side.
- 24.(1)
- 25.(4)
- 26-27.



- 26.(1)
- 28-29.



- 28.(5)
- 30.(4)



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- 31.(3) L, M > F > N, S
 32.(4) AE, RT, EI
 33.(4) 2,3,6
 34.(2) 35.(1)
 36-38. Work-koo
 Hard-fe
 Success-chi
 For-la
 He-ra
 Will-pe
 Get-bee
 To-da
 Efforts-su
- 36.(1) 37.(2)
 38.(4)
 39-40. 7-is
 8-red
 1-rose
 6-old
 2-gold
 9-looks
- 39.(4) 40.(1)
 41.(1)
 42.(3) $105.8 \times 94.5 \times \frac{x}{100} \times 172 = 429918.3$
 $x = 25$
 43.(4) $1313 + 2121 - 1616 = 1818.$
 44.(5) $10642 + 35 - x = 2662 - 46$
 Therefore, $x = 8061.$
 45.(4) $126 - 7 + 5.9 = 124.9$
 46.(1) $12 \times 2 + 1, 25 \times 2 - 1, 49 \times 2 + 1, 99 \times 2 - 1, 197 \times 2 + 1,$
 $392 \times 2 - 1 = 789.$
 47.(4) There are two series –
 $34 + 3 = 37, 37 + 3 = 40, 40 + 3 = 43$ and $7 \times 2 = 14,$
 $14 \times 2 = 28, 28 \times 2 = 56.$
 48.(1) $1^2 + 1, 2^2 - 1, 3^2 + 1, 4^2 - 1, 5^2 + 1, 6^2 - 1, 7^2 + 1, 8^2 - 1 = 63$
 49.(4) There are two individual series
 $2 + 4 = 6, 6 + 4 = 10, 10 + 4 = 14$ and
 $3 - 3 = 0, 0 - 3 = -3, -3 - 3 = -6$
 50.(4) $5 \times 2 = 10, 10 + 3 = 13, 13 \times 2 = 26, 26 + 3 = 29,$
 $29 \times 2 = 58, 58 + 3 = 61, 61 \times 2 = 122$
 51.(4) Required difference = $27 - 21 = 6$ lakh tones
 52.(2) Required year = 2010
 53.(4) Required Ratio = $2 : 6 = 1 : 3$
 54.(3) Required percentage = $\frac{4}{5} \times 100 = 80\%$
 55.(3) Required difference lakh tones
 56.(4) Total No. of crimes in HP = 36903
 57.(2) Ratio = $210 : 520 = 21 : 52$
 58.(5) $\frac{2119 + 14220}{16} = \frac{16339}{16} \approx 1021.$
 59.(2) Required = $\frac{628}{1577} \times 100 = 39.82\%$
 60.(3) Required difference = $1577 - 1432 = 145$
 61.(4) Required probability = $\frac{{}^8C_1}{{}^{21}C_1} = \frac{8}{21}$
 62.(2) $ATQ, \frac{2500 \times 7 \times 4}{100} + \frac{x \times 7 \times 4}{100} = 1120$
 or, $\frac{7}{25} x = 1120 - 700 = 420$
 or, $x = \frac{420 \times 25}{7} = \text{Rs. } 1500$
- 63.(4) Required number of way = $\frac{7 \times 5!}{3 \times 2!} = 50400.$
 64.(5) Percentage increase in area = $50 + 20 + \frac{50 \times 20}{100}$
 $= 80\%$ i.e. $\frac{4}{5}$ times.
 65.(1) $(P + Q)$'s 1 hour work = $\frac{1}{12 \times 8} + \frac{1}{10 \times 8} = \frac{1}{96} + \frac{1}{80} = \frac{11}{480}$
 $\therefore P$ and Q will finish work in $\frac{480}{11}$ hours
 Thus, Number of days of 8 hours each = $\frac{480}{11} \times \frac{1}{8} = \frac{60}{11}$
 $= 5\frac{5}{11}$ days
 66.(1) Required age = $(15 \times 5) - (5 \times 14) - (9 \times 16)$
 $= 225 - 70 - 144$
 $= 11$ years.
 67.(2) $ATQ, x(x + 2)(x + 4) = 8 \times 720$
 or, $x(x + 2)(x + 4) = 5760$
 On taking square root,
 $\sqrt{x(x + 2)(x + 4)} = \sqrt{5760} = 24\sqrt{10}$
 68.(5) $ATQ, 80\%$ of total students = $48 + \frac{2}{3} \times 48 = 80$
 \therefore Total number of students = 100
 Let percentage profit is x
 Then, $x = \frac{100}{(100+x)} \times 144$
 or, $x^2 + 100x - 14400 = 0$
 or, $x = \text{Rs. } 80$ (neglecting -ve value)
 70.(2) $\frac{4}{15}A = \frac{2}{5}B \Rightarrow \frac{4}{15}(1210 - B) = \frac{2}{5}B$
 or, $1210 - B = \frac{3}{2}B$
 or, $B = \text{Rs. } 484$
 71.(4)
 72.(3) Relative speed, $S_r = 180 - 120 = 60$ kmph
 \therefore Required length = $60 \times \frac{5}{18} \times 18 = 300$ m
 73.(4) $ATQ, \frac{1}{2}N = 9000$
 or, $N = \text{Rs. } 18000$
 \therefore Aman's monthly salary = $\frac{16}{12} \times 18000 = \text{Rs. } 24000$
 74.(3) Let age of Rahul and Rakhi be x & y years respectively.
 $ATQ, \frac{x}{y} = \frac{6}{11}$
 and $\frac{x-4}{y-4} = \frac{1}{2}$
 on solving, $x = 24$ and $y = 44$
 \therefore After 5 years age of Rakhi = $44 + 5 = 49$ years.
 75.(1) $\frac{2.5x}{4y} = \frac{5}{18}$
 or, $\frac{x}{y} = \frac{5}{18} \times \frac{4}{2.5}$
 or, $\frac{x}{y} = \frac{4}{9}$
 76.(4) $12348 + 235 - 90 = 12493 \approx 12532.$
 77.(2) $13394 + 28 - 23 = 13399 \approx 13399.5.$

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78.(5) $9332660 \approx 9332660.6$.

79.(1) $(204 - 103)(204 + 103) = 101 \times 307 = 31007 \approx 31068$.

80.(3) $\frac{92687}{3 \times 13} = 2376.5$.

