

IBPS CLERK (PRE)- Solution

6. Replace 'their' by 'its'.
7. Replace 'began' by 'begun'.
8. Replace 'confident' by 'confidence'.
9. It should be 'Inspite of' instead of 'Inspite that'.
10. Replace 'invested' by 'interested/have invested'.

Q.No.31 (A) $11.304 \times (6.839 - 4.331)$ $\approx 11 \times (7 - 4)$ $\approx 11 \times 3 = 33$ ≈ 30	Q.No.32 (B) $61 \times 24.879 \div (14.059 - 6)$ $\approx 61 \times 25 \div (14 - 6)$ $\approx \frac{61 \times 25}{8} = 190.625$ ≈ 190
Q.No.33 (E) $(3.805)^2 \times 14.018 - 5.991$ $\approx (4)^2 \times 14 - 6$ $\approx 16 \times 14 - 6 = 218$ ≈ 200	Q.No.34 (C) $\sqrt{230} \div 2.017 + 58.794$ $\approx \sqrt{225} \div 2 + 59$ $\approx 15 \div 2 + 59$ $\approx 7.5 + 59 = 66.5$ ≈ 68

Q.No. 35 (A)

$$3451 \div 9.895 \times 3.0126$$

$$\approx \frac{3451}{10} \times 3$$

$$\approx 1035.3$$

$$\approx 1050$$

Q.No. 36 (E)

 Let first no be x & second be y

$$\frac{35x}{100} = 2 \times \frac{75y}{100}$$

$$\frac{x}{y} = \frac{2 \times 75}{35} = \frac{2 \times 15}{7} = \frac{30}{7}$$

$$= 30:7$$

Q.No. 37 (C)

 $\frac{2}{3}v \rightarrow 40$ minutes left

 It is clear that to cover 30 km distance at $\frac{2}{3}v$, it was late by 20 mins.

$$\text{mins. } \frac{30}{\frac{2}{3}v} - \frac{30}{v} = \frac{20}{60}$$

$$\frac{90-60}{2v} = \frac{1}{3} \Rightarrow v = 45 \text{ km/hr}$$

$$\text{Total distance} = 60 + 30 + 30 = 120 \text{ km}$$

Q.No. 38 (C)

 Let total distance x

$$\frac{4}{5}x = (3 \times 12) + (4 \times 15) = 36 + 60$$

$$x = 120 \text{ km}$$

$$\text{Remaining distance to be covered} = \frac{1}{5}x = \frac{1}{5} \times 120 = 24 \text{ km}$$

$$\text{Time} = 6 \text{ hrs.}$$

$$\therefore \text{Speed} = \frac{24}{6} = 4 \text{ km/hr.}$$

Q.No. 39 (A)

 Let the no. of filling taps be n

 Each of tank filled in 1 hr = $\frac{n}{6}$

 " " " emptied in 1 hr = $\frac{16-n}{18}$

$$\therefore \text{in 1 hr, resultant} = \frac{n}{6} - \frac{16-n}{18} = \frac{2n-8}{9}, \text{ tank is filled in } \frac{9}{2} \text{ hrs.}$$

$$\therefore \frac{2n-8}{9} \times \frac{9}{2} = 1 \Rightarrow 2n-8 = 6$$

$$\Rightarrow n = 7 \Rightarrow \text{no. of empty taps} = 16-7 = 9$$

Q.No. 40 (D)

$$A+B+C = \frac{750}{5} = 150$$

$$A+C = \frac{400}{4} = 100$$

$$B = 50$$

$$B+C = \frac{450}{9/2} = 100$$

$$C = 100 - 50 = 50$$

$$\Rightarrow A = 50$$

Q.No. 41 (C) $(1)^4 + 5 = 6$ $(2)^4 + 10 = 26$ $(3)^4 + 15 = 96$ $(4)^4 + 20 = 276$ $(5)^4 + 25 = 650$ $(6)^4 + 30 = 1326$ $(7)^4 + 35 = \underline{\underline{2436}}$	Q.No. 42 (D) $(39)^2 = 1521$ $(37)^2 = 1369$ $(35)^2 = 1225$ $(33)^2 = 1089$ $(31)^2 = 961$ $(29)^2 = 841$ $(27)^2 = \underline{\underline{729}}$
Q.No. 43 (A) $(12)^3 + 17 = 1745$ $(14)^3 + 34 = 2778$ $(16)^3 + 51 = 4147$ $(18)^3 + 68 = 5900$ $(20)^3 + 85 = 8085$ $(22)^3 + 102 = 10750$ $(24)^3 + 119 = \underline{\underline{13943}}$	Q.No. 44 (C) $(7 \times 1) + (3 \times 1) = 10$ $(10 \times 2) + (6 \times 2) = 32$ $(32 \times 3) + (9 \times 3) = 123$ $(123 \times 4) + (12 \times 4) = 540$ $(540 \times 5) + (15 \times 5) = 2775$ $(2775 \times 6) + (18 \times 6) = \underline{\underline{16758}}$
Q.No. 45 (B) $23^2 + 4^2 = 39$ $39 + 8^2 = 103$ $103 + 12^2 = 247$ $247 + 16^2 = 503$ $503 + 20^2 = 903$ $903 + 24^2 = \underline{\underline{1479}}$	Q.No. 46 (D) $(47)^2 - (15)^2 = (47-15)(47+15)$ $= 32 \times 62$ $= 1984$

Q.No. 47 (C) $\frac{81}{100} \times 4915$$= 3981.15$	Q.No. 48 (A) $25 \times \frac{43}{5}$$= 215$												
Q.No. 49 (C) $93 + 78 - 51$$93 + 27$$= 120$	Q.No. 50 (A) $? = \frac{377 \times 58}{1682}$$= 13$												
Q.No. 51 (A) Milk : water <table><tr><td>3 litres</td><td>1.8</td><td>1.2</td></tr><tr><td>4 litres</td><td>3</td><td></td></tr><tr><td>5 litres</td><td>4</td><td>1</td></tr><tr><td></td><td><u>8.8 l</u></td><td><u>3.2 l</u></td></tr></table>$\text{Ratio} = \frac{8.8}{3.2} = \frac{11}{4} = 11:4$	3 litres	1.8	1.2	4 litres	3		5 litres	4	1		<u>8.8 l</u>	<u>3.2 l</u>	Q.No. 52 (B) C.P of first table = $\frac{100 \times 405}{135}$ Profit = $405 - 300 = 105$ $105 = \frac{30}{100} \times (\text{CP}_2)$$\text{CP}_2 = 350$
3 litres	1.8	1.2											
4 litres	3												
5 litres	4	1											
	<u>8.8 l</u>	<u>3.2 l</u>											

Q.No. 53 (D) $P + 2Q + R = 59$ $Q + R + 3P = 68$ $P + 3Q + 3R = 108$ From equations, $P = 12$ years.	Q.No. 54 (C) $P + F = 115$ $36 \times 115 = P \times 40 + F \times 17$ $\Rightarrow 23 \times F = 4 \times 115$ $\Rightarrow F = 20$
Q.No. 55 (C) $P = \frac{900 \times 100}{6 \times 3} = 5000$ Interest - 1st year 300 2nd year 300 18 3rd year 300 18 18 1.08 $CI = 300 + 300 + 300 + 18 + 18 + 18 + 1.08$ $= 955.08$ Reqd. Amt. = $955.08 - 900 = 55.08$	Q.No. 56 (D) $\text{Total} = 11200 \times 0.48 + 10500 \times 0.5$ $+ 13200 \times 0.45 + 9600 \times 0.48$ $+ 13200 \times 0.55 + 11900 \times 0.60$ $+ 9500 \times 0.44$ $= 39754$
Q.No. 57 (B) Total no. of females = 27938 " " " males = 27262 $\therefore \text{Diff.} = 676$	Q.No. 58 (A) Female F-1980 $\rightarrow 3600$ Female A-2000 $\rightarrow 3900$ $\therefore \text{Reqd \%} = \frac{3900 - 3600}{3600} \times 100$ $= \frac{300}{3600} \times 100 = 8.33$

Q.No. 59 (C)

$$\text{Male } 1990 = 3936$$

$$\text{Female } 1990 = 3936$$

$$\therefore \text{Reqd } \% = \frac{3936 \times 100}{3936}$$

$$= 100 \%$$

Q.No. 60

$$\text{Retire} = \frac{9750 \times 0.4}{10500 \times 0.5}$$

$$= \frac{3900}{5250} = \frac{26}{35}$$

$$\Rightarrow 26:35$$

Q.No. 61 (D)

$$\text{Reqd sum} = \left(\frac{26}{100} \times 6000 - 100 \right) +$$

$$\left(\frac{29}{100} \times 6000 - 1200 \right) + 600$$

$$= 660 + 540 + 600$$

$$= 1800$$

Q.No. 62 (C)

$$\text{Reqd. ratio} = 100 : \left[\frac{29}{100} \times 6000 - 400 \right] :$$

$$\frac{29 \times 6000}{100}$$

$$= 100 : 140 : 1740$$

$$= 45:7:87$$

Q.No. 63 (E)

$$\text{Reqd. ratio} = \left[1200 - \frac{6}{100} \times 600 \right]$$

$$= 1200 - 360$$

$$= 840$$

Q.No. 64 (B)

No. of girls in Saraswati Vidya

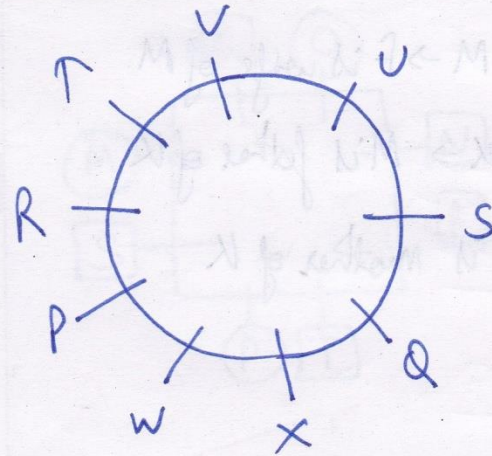
$$\text{Mandir} = \frac{29}{100} \times 6000 - 1200 = 540$$

 In Doon public school,
 no. of students = 540

Q.No. 65 (E)

$$\begin{aligned} \text{Red. \%} &= \frac{720 - 500}{540} \times 100 \\ &= \frac{220}{540} \times 100 \\ &\approx 40\% \end{aligned}$$

Q.No. 66 - 70



Q.No. 66 (D)

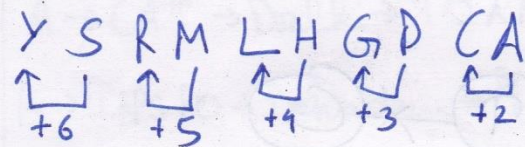
67 - (B)

68 - ~~(A)~~ (E)

69 - (A)

70 - (C)

Q.No. ~~68~~ (71) → (C)



Q.No. ~~71~~ (72) - (b)

NEUTRAL

Q.No. ~~70~~ (73) - (C)

The lady is sister of
father-in-law of that
person.

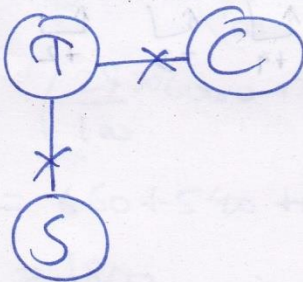
Q.No. 74 (A)

F3M → F is wife of M
M5K → M is father of K
∴ F is mother of K

Q.No. 75 (A)

$$\begin{aligned} \text{Total} &= 6 + 9 + 18 + 13 - 1 \\ &= 46 - 1 \\ &= 45 \end{aligned}$$

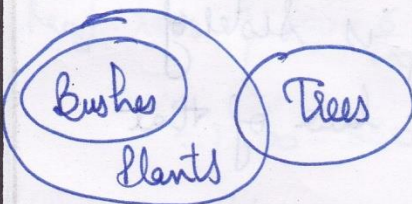
Q.No. 76 (D)



Q.No. 77 (A)



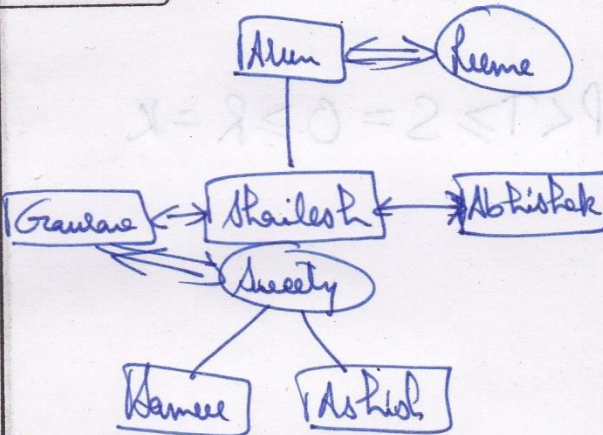
Q.No. 78 (C)



Q.No. 79 (C)

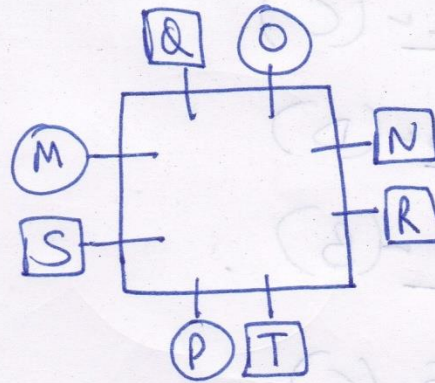
The total no. of students
cannot exceed 34

Q.No. 80 (C)



Alum is Grandfather.

Q.No. 81-85



Q.No. 81 (A)

Q-82 (E)

Q-83 (E)

Q-84 (B)

Q-85 (C)

Q.No. 86-90

A → CAT → Delhi → 10 A.M.

B → TRPS-PO → Dehradun → 9 A.M.

C → CBS → Dispur → 12 A.M.

D → CSAT → Dhanbad → 11 A.M.

Q.No. 86 (A)

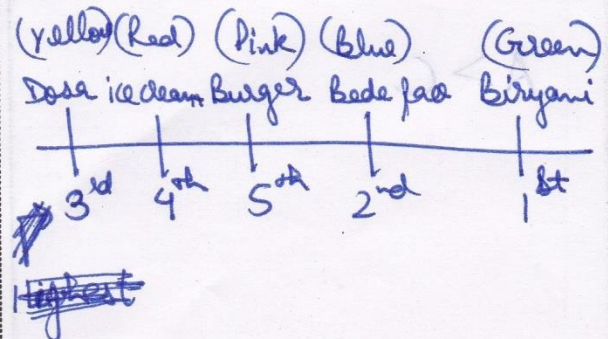
(87) (B)

(88) (C)

(89) (A)

(90) (A)

Q.No. 91-95



Q.No. 91 (B) Q92 (C) Q93 (D) Q94 (B) Q95 (C)	Q.No. 96 (D) $P < T \geq S = O \geq R = K$
Q.No. 97 (B) $P < Q > T \geq N > S = R$	Q.No. 98 (E) $R \leq P = N < M \leq O$ $R \leq N = P < O \leq M$
Q.No. 99 (D) $A > C$	Q.No. 100 (B) $P < N$

IBPS CLERK (PRE) MOCK TEST - 2**ANSWER KEY**

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