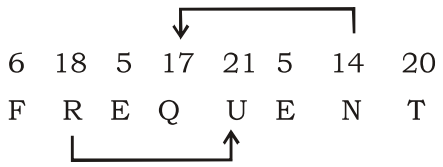
IBPS CLERICAL TEST SERIES-1
SOLUTION

1.(3)



2. (2) $F = B > P \leq M \Rightarrow P < F$

$P > B \geq M = F \Rightarrow P > F$

$P \leq B < F \leq M \Rightarrow P < F$

$B < P \leq M < F \Rightarrow P < F$

3.(4) Annie's rank from the top

$\Rightarrow$ 6 + 7 = 13th

Annie's rank from the bottom

$\Rightarrow$ 35 - 13 + 1 = 23rd

4.(1) a b z y

a b c d x w

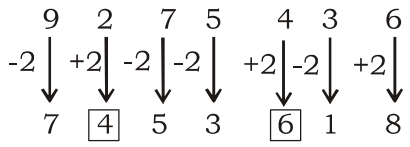
a b c d e v u

5.(5) Excpet Zoom, all other are objects related to photography. Zoom is a function of lens. Zoom lens can be adjusted to make the object being photographed appear gradually bigger or simaller.

6.(2) $A \xrightarrow{+1} B \xrightarrow{+2} D \xrightarrow{+3} \boxed{G} \xrightarrow{+4} K$

$C \xrightarrow{+2} E \xrightarrow{+3} H \xrightarrow{+4} \boxed{L} \xrightarrow{+5} Q$

7.(3)



6 - 4 = 2

8.(2)

F	O	R	G	E	T
E	F	G	O	R	T

9.(2) L > V $\Rightarrow$ L is daughter of V

V < J $\Rightarrow$ V is the wife of J.

J + P $\Rightarrow$ J is the father of P.

J is the father of L and P.

S × A $\Rightarrow$ S is son of A.

Thus, S and P are first cousins.

10.(5) F × R $\Rightarrow$ F is the son of R.

R < S $\Rightarrow$ R is the wife of S

S × M $\Rightarrow$ S is the son of M.

Now, F is grandson of M.

M is either grandfather, or grandmother of F.

11.(5) From both the statements

There were 346 empolyees.

12.(5) From statement I.

Grand total of Team A

$\Rightarrow$ 86, 87, 88, 89, 90, 91, 92 or 93 points

From statement II.

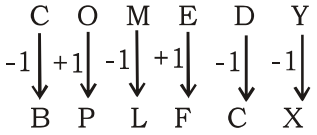
Grand both of Team A

$\Rightarrow$ 81, 82, 83, 84, 85 or 86 points From both statements

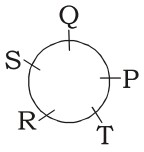
Grand total of Team A

$\Rightarrow$ 86 points

13.(5) From both the statements

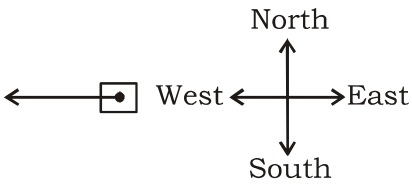


14.(5) From both the statements



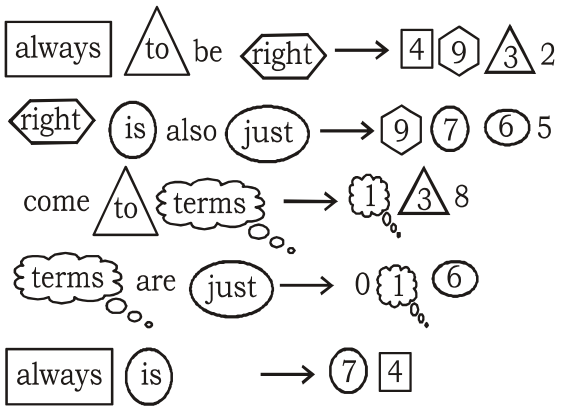
P sits to immediate right of T

15.(1) From statement I.



He was facing towards West.

(16 - 20):



16.(2) The code for 'come' is '8'

17.(5) 8 ⇒ come; 6 ⇒ just ; 3 ⇒ to;
1 ⇒ terms; 5 ⇒ also

18.(2) always ⇒ 4; be ⇒ 2;
right ⇒ 9; terms ⇒ 1

19.(1) The code for 'right' is '9'

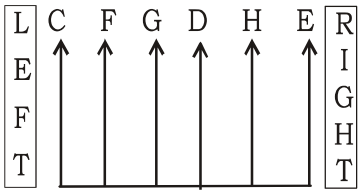
20.(5) The number '6' represents 'just'

21.(4) 22.(4) 23.(4) 24.(1)

25.(2) 26.(2) 27.(2) 28.(2)

29.(1) 30.(4)

31-35.



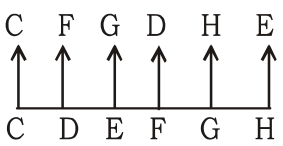
31.(3) G is thrid to the left of E.

32.(2) C and E are standing at the exterme ends of the line.

33.(3) G is standing second to the right of C.

34.(2) Except in CE, in all others there is only one person between the two.

35.(1)



81.(5) $? \approx 12959.998 \div 18.010 \approx \frac{12960}{18} \approx 720$

82.(1) $\frac{440 ? 40}{100} ? \frac{655? ?}{100} \approx 228$

$\Rightarrow 176 + \frac{655 ? ?}{100} \approx 228$

$\Rightarrow \frac{655 ? ?}{100} \approx 228 - 176 \approx 52$

$\Rightarrow ? = \frac{52 ? 100}{655} \approx 8$

83.(5) $? \approx 6895 + 5025 + 600 \approx 12520$

84.(2) $? \approx 31 \times 12 \times 17.5 \approx 6720$

85.(3) $? \approx (11)^3 \approx 11 \times 11 \times 11 \approx 1331$

$\therefore$ Required answer = 1330

86.(2) Ratio of the equivalent capitals of Mrudul and Shalaka for one month.

= 29500 × 24 : 33500 × 20

= 354 : 335

Sum of the ratios = 354 + 335 = 689

$\therefore$ Mrudul's share

$= \text{`} \frac{?354}{?689} ? 120575 ?? = \text{`} 61950$

87.(4) $32 \times 32 = 1024$

$\therefore$ Required number

$= 1024 - 1020 = 4$

88.(3) Required time = LCM of 18, 22 and 30 seconds =990 seconds

$= \frac{990}{60}$ minutes

=16 minutes 30 seconds

89.(4) Part of the tank filled in 1 hour when all the taps are opened = $\frac{1}{4} + \frac{1}{6} - \frac{1}{3}$

$= \frac{3 + 2 - 4}{12} = \frac{1}{12}$

Hence, the tank will be filled in 12 hours.

90.(1) $S.I. = \frac{\text{Principal} \times \text{Time} \times \text{Rate}}{100}$

$= \frac{11200 \times 3 \times 8.5}{100} =$ ₹ 2856

∴ Required amount

= ₹ (11200+ 2856)

= ₹ 14056

91.(5) ? = 1111.1+111.11+11.111=1233.321

92.(4) $12.4 \times ? \times 16.5 = 2905.32$

$\Rightarrow ? = \frac{20905.32}{12.4 \times 16.5} = 14.2$

93.(3) $? = \sqrt[3]{4913} = \sqrt[3]{17 \times 17 \times 17} = 17$

94.(2) $? = \frac{8080}{80 \times 8} = 12.625$

95.(4) $? = \frac{84 \times 25}{100} \times \frac{85 \times 24}{100}$

$= 21 \times 20.40 = 428.4$

96.(4) $C.P. = \frac{100}{100 + \text{Profit percent}} \times S.P.$

$= \frac{100}{125} \times 1850 =$ ₹ 1480

97.(1) Side of the square plot = $\sqrt{\text{Area}}$

$= \sqrt{462.25} = 21.5$ feet

∴ Perimeter = 4 × Side

= 4 × 21.5 = 86 feet

∴ Cost of building a fence = ₹ (34 × 86)

= ₹ 2924

98.(2) Required average amount invested in 2009 = $\frac{55 + 50 + 40}{3} \times 1000$

$= \frac{145000}{3} =$ ₹ 48333 $\frac{1}{3}$

99.(3) C's investement in the year 2006 = ₹ 40 thousand

C's investement in the year 2007 = ₹ 35 thousand percent decrease.

$= \frac{40 - 35}{40} \times 100 = 12.5$

100.(1) Required ratio = (25 + 45): (40 + 40)

= 70 : 80 = 7 : 8

101.(1) A's total investement = ₹ (30 + 35 + 45 + 35 +40 + 50) thousand

= ₹ 235 thousand

∴ Required percentage = $\frac{35}{235} \times 100 \approx 15$

102.(5) Total amount invested by all the three people in 2005

= ₹ (30 + 25 + 45) thousand

= ₹ 10,000

Calculations (113 -117):

Number of men in the building = 80

Number of women = $\frac{80 \times 62.5}{100} = 50$

Men who learn to dance = 8

Women who learn to sing = $\frac{50 \times 24}{100} = 12$

Women who watch movies = $50 \times \frac{1}{5} \times 10$

Men who watch movies = $\frac{13}{2} \times 10 \times 65$

Men who learn to sing = 80 - 65 - 8 = 7

Women who learn to dance = 50 - 10 - 12 = 28

103.(3) Required ratio = 8 : 28 = 2 : 7

104.(5) Required percentage = $\frac{50}{80 \times 50} \times 100$

≈ 38

105.(1) Number of women who learn to dance = 28

106.(3) Required percentage = $\frac{65}{80} \times 100$

= 81.25

107.(5) Number of members who learn to sing =12 + 7 = 19

108.(2) The pattern of the number series is:

$732 - 3 = 729 = 9^3$

$1244 - 732 = 512 = 8^3$

$1587 - 1244 = 343 = 7^3$

$1803 - 1587 = 216 = 6^3$

$1928 - 1803 = 125 = 5^3$

$\therefore$? = $1928 + 4^3 = 1928 + 64 = 1992$

109.(4) The pattern of the number series is:

$16 \times 1.5 = 24$

$24 \times 2.5 = 60$

$60 \times 3.5 = 210$

$210 \times 4.5 = 945$

110.(1) The pattern of the number series is:

$(45030 \div 5) - 6 = 9000$

$(9000 \div 5) - 5 = 1795$

$(1795 \div 5) - 4 = 355$

$(335 \div 5) - 3 = 68$

$(68 \div 5) - 2 = 13.6 - 2 = 11.6$

111.(1) The pattern of the number series is:

$5 \times 1 + 1 \times 7 = 12$

$12 \times 2 + 2 \times 6 = 36$

$36 \times 3 + 3 \times 5 = 123$

$123 \times 4 + 4 \times 4 = 492 + 16 = 508$

$508 \times 5 + 5 \times 3 = 2540 + 15 = 2555$

112.(4) The pattern of the number series is :

$8 \times 0.5 + 7 = 4 + 7 = 11$

$11 \times 1 + 6 = 17$

$17 \times 1.5 + 5 = 25.5 + 5 = 30.5$

$30.5 \times 2 + 4 = 61 + 4 = 65$

113.(4) We do not have the average salary of D and E.

From both statemets.

$A + B + C + D + E = 5 \times 48250$ _____(i)

$C = 1.5\ B$ _____(ii)

$A + B = 2 \times 23500$ _____(iii)

Cleraly, C's salary cannot be determind.

114.(3) From statement I.

C.P. = ` (640000 - 320000) = ` 3, 20000

$\therefore$ Profit percent

$= \frac{320000}{320000} \times 100 = 100$

From statement II.

If the C.P. be ` x then

S.P. = ` 2x

$\therefore$ Gain percent = $\frac{x}{x} ? 100 = 100$

115.(3) From statement I.

$\text{Rate} = \frac{\text{S.I.} ? 100}{\text{Principal} ? \text{Time}}$

$= \frac{11480 ? 100}{14350 ? 4} = 20\%$ per annum

From statement II.

If principal be ` x, then amount = ` 2x

$\therefore$ S.I. = ` x , Time = 5 years

$\therefore$ $\text{Rate} = \frac{\text{S.I.} ? 100}{\text{Principal} ? \text{Time}} = \frac{x ? 100}{x ? 5}$

$= 20\%$ per annum

116.(5) From statement II.

Unit digit = 0

From statement I.

ten's digit = 9

$\therefore$ Number = 90

117.(5) From statement I and II

If the length of rectangle be 9 x metre and its breadth be 7x metre, then

$9x \times 7x = 252$

$\Rightarrow x^2 = \frac{252}{9 ? 7} = 4$

$\therefore x = \sqrt{4} = 2$

$\therefore$ Perimeter of rectangle = 2 (length + breadth)

$= 2(9x + 7x) = 32x$

$= 32 \times 2 = 64$ meter

18.(2) Required number of committees

$= 4c_2 \times 5c_2 \times 3c_2$

$= \frac{4 ? 3}{1 ? 2} \times \frac{5 ? 4}{1 ? 2} \times \frac{3 ? 2}{1 ? 2}$

$= 6 \times 10 \times 3 = 180$

119.(4) Required number fo committees

=Selection of 6 teachers from science and arts teachers = $9c_6 = 9c_3$

$\because {}^nC_r = {}^nC_{n-r}$

$= \frac{9 ? 8 ? 7}{1 ? 2 ? 3} = 84$

120.(3) Required number of committees = Selection out of all the teacher = ${}^{12}C_6$

$= \frac{12 ? 11 ? 10 ? 9 ? 8 ? 7}{1 ? 2 ? 3 ? 4 ? 5 ? 6} = 924$

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	1	3	26	2	51	3	76	3	101	1
	2	2	27	2	52	1	77	4	102	5
	3	4	28	2	53	3	78	3	103	3
	4	1	29	1	54	2	79	2	104	5
	5	5	30	4	55	1	80	2	105	1
	6	2	31	3	56	1	81	5	106	3
	7	3	32	2	57	1	82	1	107	5
	8	2	33	3	58	4	83	5	108	2
	9	2	34	3	59	4	84	2	109	4
	10	5	35	1	60	4	85	3	110	1
	11	5	36	C	61	2	86	2	111	1
	12	5	37	B	62	1	87	4	112	4
	13	5	38	D	63	2	88	3	113	4
	14	5	39	E	64	1	89	4	114	3
	15	1	40	E	65	1	90	1	115	3
	16	2	41	1	66	4	91	5	116	5
	17	5	42	5	67	3	92	4	117	5
	18	2	43	3	68	2	93	3	118	2
	19	1	44	5	69	3	94	2	119	4
	20	5	45	2	70	5	95	4	120	3
	21	4	46	5	71	5	96	4		
	22	4	47	4	72	1	97	1		
	23	4	48	2	73	1	98	2		
	24	1	49	4	74	3	99	3		
	25	2	50	5	75	3	100	1		

121	C
122	A
123	D
124	B
125	A
126	C
127	D
128	C
129	B
130	D
131	C
132	C
133	A
134	C
135	A
136	D
137	C
138	D
139	B
140	A
141	C
142	C
143	A
144	D
145	D
146	B
147	C
148	B
149	B
150	E
151	D
152	D
153	D
154	D
155	B
156	B
157	A
158	B
159	B
160	A

	176	4	
	177	3	
	178	5	
	179	1	
	180	1	
	181	1	
	182	1	
	183	3	
	184	2	
	185	3	
161	186	1	
162	187	1	
163	188	4	
164	189	4	
165	190	2	
166	191	2	
167	192	2	
168	193	3	
169	194	1	
170	195	1	
171	196	3	
172	197	3	
173	198	4	
174	199	4	
175	200	4	