

**Practice Set For IBPS Clerk Mains
SOLUTIONS
REASONING APTITUDE**

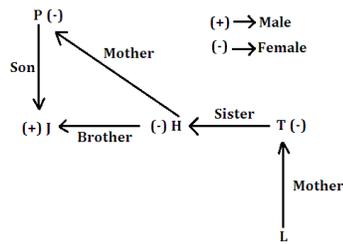
Directions (1-5)

Professional	Profession	City
A	Pharmacist	Bhubaneshwar
B	Professor	Hyderabad
C	Artist	Mumbai
D	Engineer	Banglore
E	Lawyer	Ahmedabad
F	Doctor	Chennai
G	Counselor	Jaipur

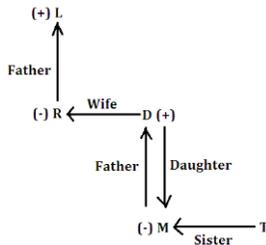
1. (3)
2. (1)
3. (4)
4. (2)
5. (5)

(6-10)

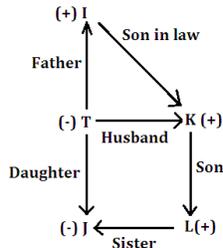
6. (1)



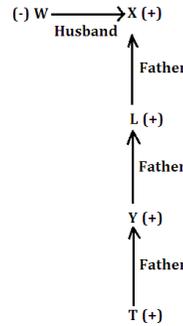
7. (2)



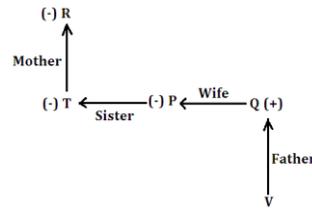
8. (2)



9. (4)

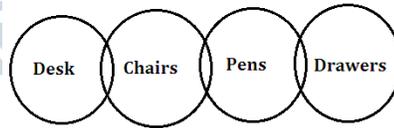


10. (4)

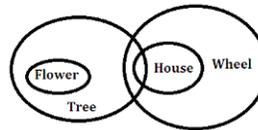


(11-15)

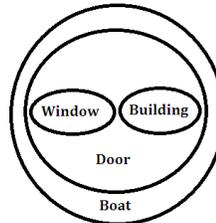
11. (3)



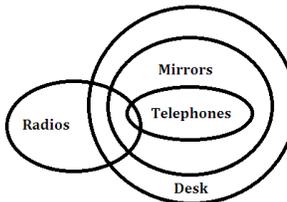
12. (4)



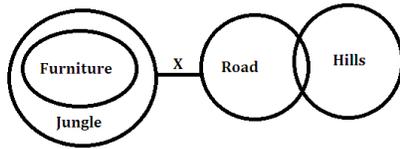
13. (3)



14. (1)



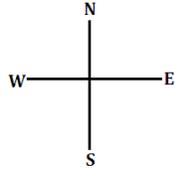
15. (4)



(16-20)

Row 1 : P V S T R Q

Row 2 : C F A E B D



- 16. (4)
- 17. (1)
- 18. (2)
- 19. (2)
- 20. (3)

(21-25)

- 21. (2)
- 22. (3) From either statements keshav's rank can be determined.
- 23. (4)
- 24. (1) From 1st statement we can find that P is youngest.
- 25. (2) From 2nd statement we can find that T is second to the left of X.

(26-30)

- Create → Ba
- And → Fa
- New → Ri
- Ideas → Gi
- Thoughts → Ma
- Insights → Jo
- Always → Sha
- Better → To/ki

- 35. (2)
- 36. (4)
- 37. (3)
- 38. (2)
- 39. (1)
- 40. (3)

Solution → Ki/To

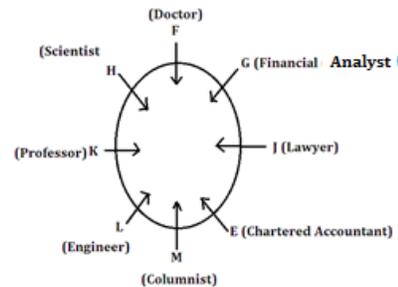
- 26. (3)
- 27. (4)
- 28. (2)
- 29. (2)
- 30. (4)

(31-34)

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

- 31. (5)
- 32. (3)
- 33. (3)
- 34. (2)

(35-39)



QUANTITATIVE APTITUDE

- 41. (2) Required average = $\frac{45+20+45+42+26+40}{6} = \frac{218}{6}$
= 36.3 ≈ 36 (Approx.)
- 42. (3) Overall ratings of HR = 50 + 45 + 40 + 50 + 46 + 50 = 281
Overall rating of Finance = 48 + 45 + 35 + 40 + 30 + 41 = 239
Overall rating of Sales = 50 + 45 + 42 + 35 + 50 + 40 = 262
Overall rating of Exports = 50 + 45 + 40 + 30 + 50 + 48 = 263
And Overall ratings of IT = 45 + 20 + 45 + 42 + 26 + 40 = 218
Hence, 2nd highest overall rating is for exports.
- 43. (4) Rating for Negotiation = 46 + 30 + 50 + 50 + 26 = 202
Rating for Creativity = 40 + 35 + 42 + 40 + 45 = 202
Rating for Team building = 50 + 41 + 40 + 48 + 40 = 219
Rating for Problem solving = 50 + 40 + 35 + 30 + 42 = 197
Rating for Leadership = 50 + 48 + 50 + 50 + 45 = 243

And rating for Interpersonal skills = 45 + 45 + 45 + 45 + 20 = 200

Hence, Rating is the lowest for problem solving.

- 44. (5) Required difference = 263 - 239 = 24

45. (1) Required % = $\frac{20 \times 100}{14+45+45+45}$
= $\frac{2000 \times 4}{180} = 44.44\%$

- 46. (3) Number of literates in state P as a percentage of total population = $\frac{2}{5} \times 15 = 6\%$
Number of literates in state Q as a percentage of total population = $\frac{1}{2} \times 30 = 15\%$
Number of literates in state Q as a percentage of total population = $\frac{2}{3} \times 35 = 23.33\%$
Number of literates in state Q as a percentage of total population = $\frac{4}{5} \times 20 = 16\%$
- 47. (4) Required ratio = $\frac{1.1 \times 20}{1.2 \times 30}$
- 48. (2) Let the population of city P be 90x
Total number of literates = $\frac{2}{5}$ of 90x = 36x
Total number of males = $\frac{4}{9}$ of 90x = 40x

Number of male literates = 50% of 40x = 20x

Number of female literates = 36x - 20x = 16x

Total number of females = 5/9 of 90x = 50x

Percentage of literate females = 32%

49. (2) Total number of males = $(\frac{4}{9} \text{ of } 15 + \frac{5}{9} \text{ of } 30 +$

$\frac{8}{15} \text{ of } 35 + \frac{7}{15} \text{ of } 20) \times 270 \text{ lakhs} = 138.6 \text{ lakhs}$

Total number of females = 270 - 138.6 lakhs = 131.4 lakhs

Required percentage = $\frac{138.6}{131.4} \times 100 = 105.479\% \approx 105\%$

50. (5) Cannot be determined as the proportion of literates to illiterates is only given for total population and not for males and females.

51. (4); since, marks of geography or Relationship between all three subject is not given.

Hence, we can not find the marks secured in mathematics

i.e. data inadequate

52. (2); Total age of boys = 32 × 14 = 448 years

Total age of girls = 28 × 13 = 364 years

∴ Average age of whole class = $\frac{448+364}{32+28} = \frac{812}{60} = 13.53$

53. (3); Let Students in schools are 5x, 8x and 4x respectively

After increasing, No. of students in school

A = $5x \times \frac{120}{100} = 6x$

No of students in school B = $8x \times \frac{125}{100} = 10x$

No of students in school C = $4x \times \frac{130}{100} = \frac{26}{5}x$

∴ Required New Ratio = $6x : 10x : \frac{26x}{5}$
= 15 : 25 : 13

54. (5); Ratio of their investment

Karan : Shirish = 12 × 60000 : 6 × 100000

= 6 : 5

∴ Profit share of Shirish = $\frac{5}{5+6} \times 151800 = 5 \times$

13800 = 69000

55. (1); Work will be completed by a men = 8 × 4 = 32 days

Work will be completed by a Women = 12 × 4 = 48 days

Work will be completed by a children = 8 × 8 = 64 days

∴ Work remained after 2 days (if 2 men, 8 children and 3 women)

= $1 - 2 \times \left[\frac{2}{32} + \frac{8}{64} + \frac{3}{48} \right]$

= $1 - 2 \times \left[\frac{12+24+12}{192} \right]$

= $1 - \frac{48}{96} = \frac{1}{2}$

∴ No. of women required to finish the remained work.

$n \times \frac{2}{48} = \frac{1}{2}$

∴ No of women n=12 women

56. (2); Since, Due to stoppages, in one hour, It covers [64 - 48 = 16km] Less distance

∴ Time taken to cover 16 km = $\frac{\text{distance}}{\text{speed}} = \frac{16}{64} \text{ hour}$

= $\frac{16}{64} \times 60 \text{ Minute} = 15 \text{ minutes}$

57. (1); Total salary of Mr. Sinha = $3660 \times \frac{100}{12} = 30500 \text{ Rs.}$

∴ Amount invested by Mr. Sinha

= $3660 + \frac{16 \times 30500}{100} + \frac{3 \times 30500}{100}$

= 3660 + 4880 + 915 = 9455 Rs.

∴ total annual investment = 12 × 9455 = 113460

58. (3); SI = $\frac{9535 \times 4 \times \text{time}}{100}$

= $\frac{(11442 - 9535) \times 100}{9535 \times 4} = \text{time}$

∴ Time = $\frac{1907 \times 100}{9535 \times 4} = 5 \text{ years}$

59. (2); Let length of field = l

∴ breadth of field = $\frac{3}{4}l$

∴ Area = 300

$l \times \frac{3}{4}l = 300$

Length = 20 m

Breadth = 15 m

∴ Area of field = $2 \times [20 \times 1.5 + 15 \times 1.5]$

= $2 \times [30 + 22.5]$

= 105

60. (1); Since, Area of floor = $\frac{256}{2} = 128 \text{ sq. m.}$

∴ Length × breadth = 128

Length × $\frac{\text{length}}{2} = 128$

∴ length = $\sqrt{256} = 16 \text{ m}$

61. (3) the pattern of series is-

7
56 ← ×9-7
442 ← ×8-6
3089 ← ×7-5
18532 ← ×6-4
92647 ← ×5-3
370586 ← ×4-2

62. (2) The pattern of series is

8000
3200 ← × $\frac{2}{5}$
1280 ← × $\frac{2}{5}$
512 ← × $\frac{2}{5}$
204.8 ← × $\frac{2}{5}$
81.92 ← × $\frac{2}{5}$
84.92 ← × $\frac{2}{5}$
32.768 ← × $\frac{2}{5}$

63. (5) The pattern of series is as-

898
906 ← +(2)³
933 ← +(3)³
997 ← +(4)³
1122 ← +(5)³
1338 ← +(6)³
1681 ← +(7)³

64. (1) The pattern of series is As-

$4 \times 11 + 11 \times (1)^2 = 44 + 11 = 55$

$55 \times 9 + 9 \times (3)^2 = 495 + 81 = 576$
 $576 \times 7 + 7 \times (5)^2 = 4032 + 175 = 4207$
 $4207 \times 5 + 5 \times (7)^2 = 21035 + 245 = 21280$
 $21280 \times 3 + 3 \times (9)^2 = 63840 + 243 = 64083$
 $64083 \times 1 + 1 \times (11)^2 = 64083 + 121 = 64204$
 So, wrong number = 4209

65. (4) The pattern of series is as -

$3 \times 1.5 + 1.5 = 6$
 $6 \times 2.0 + 4.0 = 16$
 $16 \times 2.5 + 7.5 = 47.5$
 $47.5 \times 3.0 + 12.0 = 154.5$
 $154.5 \times 3.5 + 17.50 = 558.25 \neq 558.5$
 $558.25 \times 4 + 24.00 = 2257$
 So, wrong number = 558.5

66. (5) $? = \frac{70}{100}$ of $320 + \frac{45}{100}$ of $240 = 224 + 108 = 332$

67. (1) $? = 29.92 \times 2.4 + 21.28 \times 4.5$
 $= 71.808 + 95.76 = 167.568$

68. (2) $? = 7523 + 2963 - 3847 - 4253 = 2386$

69. (4) $? = \frac{4}{7}$ of $\frac{8}{9}$ of $\frac{7}{8}$ of $180 = \frac{4}{7} \times \frac{8}{9} \times \frac{7}{8} \times 180 = 80$

70. (4) $\frac{65}{100}$ of $240 + \frac{?}{100}$ of $150 = 210$
 $156 + 1.5 \times ? = 210$
 $\therefore ? = \frac{210 - 156}{1.5} = 36$

71. (5) I. $x^2 + x - 20 = 0$
 $(x + 5)(x - 4) = 0$
 $x = 4, -5$

II. $y^2 - y - 30 = 0$
 $(y - 6)(y + 5) = 0$
 $y = -5, +6$

No relation.

72. (5) I. $225x^2 - 4 = 0$
 $x = \pm \frac{2}{15}$

II. $\sqrt{225y} + 2 = 0$
 $225y = 4$
 $y = \frac{4}{225}$

\therefore No relation

73. (5) I. $\frac{4}{\sqrt{x}} + \frac{7}{\sqrt{x}} = \sqrt{x}$
 $\therefore x = 11$

II. $y^2 - \frac{(11)^{\frac{5}{2}}}{\sqrt{y}} = 0$

$y^{\frac{5}{2}} = (11)^{\frac{5}{2}}$

$y = 11$

$\therefore x = y$

74. (4) I. $x^2 - 365 = 364$

$x^2 = 729$

$x = \pm 27$

II. $y - \sqrt{324} = \sqrt{81}$

$y = 9 + 18 = 27$

$\therefore x \leq y$

75. (3) I. $3x^2 + 8x + 4 = 0$

$(3x + 2)(x + 2) = 0$

$x = \frac{-2}{3}, -2$

II. $4y^2 - 19y + 12 = 0$

$(4y - 3)(y - 4) = 0$

$y = \frac{3}{4}, 4$

$\therefore x < y$

76. (1) From I,

$\frac{3}{5} * x = x - 90$

or, $\frac{2x}{5} = 90$

Hence, Number, $x = 5 * 45 = 225$

77. (5) We cannot get the answer from the statement I and II together,

But need even more data.

78. (3) From I and II together, salary of A

$= 5 \times 65780 - (88545 + 59020)$

$= 328900 - 147565 = \text{Rs. } 181335$

79. (4) From I, S.P. of 1 watch = 15675 and C.P. of 1 watch

$\times \frac{4}{5} = \text{Rs. } 12540$

\therefore Profit = $15675 - 12540 = \text{Rs. } 3135$

from II. Let CP = 'X'

$\therefore 125\% \text{ of CP} = 15675$

CP, $(x) = 15675 * \frac{100}{125} = 12540$

Hence, profit = $15675 - 12540 = 3135 \text{ Rs.}$

Hence, either statement I alone or statement II alone is sufficient.

80. (4) Either the statement I alone or statement II alone is sufficient to answer the question.

ENGLISH LANGUAGE

81. (4); because they have millennia-old attractions (historical Buddhist sites) that have the potential to generate foreign exchange worth \$1 billion.

82. (2); The fortunes of Bihar and UP will change due to its Buddhist attractions which have the potential to generate enough foreign exchange through foreign tourists.

83. (1); Last sentence of the first para contains the gist.

84. (3); to earn livelihood.

85. (5)

86. (1); Brand Buddha balances the Incredible India campaign that is directed largely at top-end western markets.

87. (4); Second para contains the gist.

88. (1); Brand Buddha has the power to transform the lives of millions who have been migrating out of their

villages to cities like Mumbai and Delhi to make ends meet.

89. (1); **HAMSTRUNG** means severely restrict the efficiency or effectiveness of. So, restricted is the word which is similar in meaning to it.

90. (5); **DETERRED** means to prevent the occurrence of. So, encouraged is the word which is opposite in meaning to it.

91. (3); 'match, challenge' is the correct use.

Match- a person or thing that is equal to another in quality or strength.

Challenge- a call to someone to participate in a competitive situation or fight to decide who is superior in terms of ability or strength.

92. (1); 'cited, reason' is the correct use.

Cited- refer to (a passage, book, or author) as evidence for.

Reason- a cause, explanation, or justification for an action or event.

93. (5); 'escape, innocent' is the correct use.

Escape- to break free, to get out of a situation you don't want to be in.

Innocent- not guilty of a crime or offence.

94. (1); 'setting, improve' is the correct use.

Setting- the place where something is positioned or where an event takes place.

Improve- make or become better.

95. (4); 'behaviour, conclusion' is the correct use.

Behavior- the way in which one acts or conducts oneself, especially towards others.

Conclusion- the end or finish of an event, process, or text.

96. (1); 'Your over-dependence on' is the correct usage. As 'dependent' is an adjective, its noun form will be used as a subject.

97. (5); No error

98. (4); The word 'indifferently' has wrongly been used. It should be replaced with its noun form 'indifference'.

99. (1); 'Everybody' is a singular noun. Hence, the correct verb should be 'knows', not 'know'

100. (5); No error

For questions (101-105): The proper sequence of sentences to form a meaningful paragraph will be **GACEFDB**

101. (2); C

102. (4); G

103. (2); D

104. (5); B

105. (2); E

106. (4); Replace 'set the toning' with 'set the tone'.

Set the tone means to establish a particular mood or character for something.

107. (5); No correction required

108. (4); Replace 'have had put up with to' with 'had to put up to'

109. (4); Replace 'Emotions rang high' with 'Emotions ran high'.

Emotions ran high means people are angry.

110. (5); No correction required

111. (2)

112. (1)

113. (3)

114. (4)

115. (1)

116. (3)

117. (5)

118. (2)

119. (4)

120. (1)

ANSWER KEY COMPUTER & GA

Q.	A.														
121	4	131	5	141	1	151	5	161	3	171	3	181	4	191	3
122	2	132	1	142	2	152	1	162	4	172	2	182	4	192	2
123	3	133	2	143	1	153	1	163	3	173	2	183	3	193	4
124	3	134	3	144	2	154	1	164	4	174	2	184	1	194	2
125	3	135	1	145	1	155	4	165	4	175	3	185	2	195	1
126	1	136	1	146	2	156	3	166	3	176	2	186	3	196	2
127	4	137	3	147	2	157	4	167	3	177	3	187	1	197	1
128	2	138	2	148	1	158	5	168	3	178	3	188	2	198	3
129	1	139	2	149	5	159	3	169	3	179	3	189	3	199	2
130	3	140	5	150	4	160	4	170	3	180	2	190	4	200	4