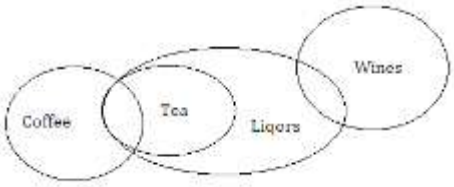
FREE MOCK 2 SOLUTIONS
REASONING APTITUTDE

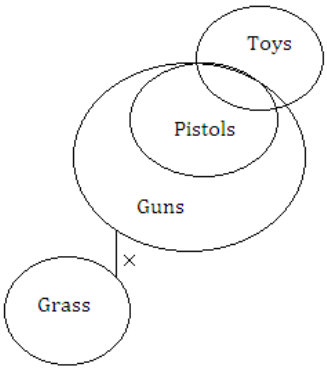
1. 2; clearly, the statement calls for customer-oriented solutions. Hence II follows while I does not.
2. 5; both meditation and regular exercise are considered to be stress-relievers.
3. 1; since the fever is "mysterious", routine tests do not address the problem very precisely. The bigger institutions need to step in.
4. 1; I follows because decentralization will reduce bureaucratic hassles and thereby lure foreign investors. II does not have any direct relevance to luring FDI.
5. 4; I does not follow because it makes little sense to invite delegates so early. II does not follow for two reasons. One, we don't know whether city X is in Asia. And two, even if this were true, the movement is generally upward - from the continental level to the world level.

Directions (6-10)

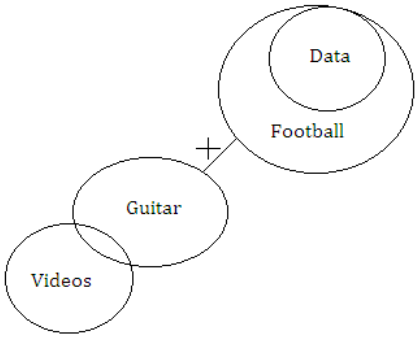
6.5



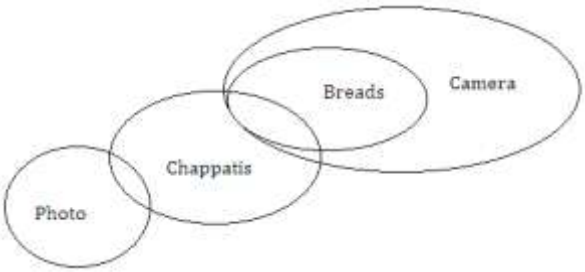
7.5



8.5



9.2



10.4

11. 1; The remedy has the disease as its principal cause.
12. 3; The sophisticated jets can be one of the reasons for the Sri Lankan Army's victory, but not the principal reason.
13. 5; The two events are independent of each other.
14. 2; The loss of blood and the collapsing of the bear is the result of its being struck with the club.
15. 3; The govt decision comes as a result of several factors, one of which can be the influence of the green brigade (the environmentalists).
16. 5; From I, the depth can be found out by the formula: side = .
From II, the depth can be found out by the formula: surface area = 6 × side^2.
17. 4; **From I:** 5 years ago, Mahua's age was 13 to 19 years.
So today, Mahua's age is 18 to 24 years.
From II: 2 years ago, Mahua was 20 or above.
So today, Mahua's age is 22 years or more.
From I and II: We can't say whether she is exactly 22, 23 or 24.
18. 3; **From I:** S > R; N > P
From II: R > N
Combining these, we get S > R > N > P.
Hence Shaheena is the most beautiful.
19. 3; Taking II as a reference point, we can arrive at the date through I.
20. 4; Past performances cannot guarantee those in future.

21-25:

Persons Name	City	Profession(FEILDS)
Samir	Delhi	Advertisement
Rajesh	Mumbai	sales
Amit	Kolkata	Personal management
Ravi	Bangalore	Computer
Avinash	Chennai	Finance

21. 2
22. 1
23. 5

24. 1

25. 3

26. 2; No clear figures are available. But the tone of the passage suggests that an addition of one million at present is being considered a significant number. Compare this to 23 m in 2012! Seems to be "a massive increase".

27. 3; We don't have the number of existing Internet users.

28. 4; Not given but probably false. Cost is perhaps one of the areas where cable TV mode will help.

29. 2; Clearly, there are more than 200 cities and towns. Now, generally there are more villages than Towns. Assuming this, the inference seems to be true.

30. 1; That is why "thanks to the entry of many private ISPs."

31-35: From input to step I: The third word becomes first and the first and second words shift rightwards. Similarly, the fourth word becomes last and the last and second-last shift leftwards.

From step I to step II: First and second words are interchanged, so are third and fourth, and so are fifth and sixth.

These steps are repeated thereafter. For the sake of convenience, we plot the movement of each word in the steps by the numbers assigned to them in the input: it-1, is-2, too-3, much-4, hot-5, here-6.

Input: 1 2 3 4 5 6
Step I: 3 1 2 5 6 4
Step II: 1 3 5 2 4 6
Step III: 5 1 3 4 6 2
Step IV: 1 5 4 3 2 6
Step V: 4 1 5 2 6 3
Step VI: 1 4 2 5 3 6
Step VII: 2 1 4 3 6 5
Step VIII: 1 2 3 4 5 6

31. 2;

Step VI: what do you know about sensex
1 4 2 5 3 6
Step IV: 1 5 4 3 2 6
what know do about you sensex

32. 4; **Input:** she fell in love with him
1 2 3 4 5 6
Now, with she in love him fell
5 1 3 4 6 2
So, step III.

33. 1; Step VIII is the same as the input.

34. 2; **Input:** weather is too cold to enjoy
1 2 3 4 5 6
Option 1: 1 5 4 3 2 6
Option 2: 2 1 3 4 5 6
Option 3: 1 3 5 2 4 6
Option 4: 1 4 2 5 3 6

35. 1

36. 5; Putting such an ad by a business group clearly assumes public approval. Hence II is implicit. And if JRD's vision is being given so much prominence, his gigantic stature in the functioning of the group is also being assumed. Hence I is implicit.

37. 1; I is implicit when you negate external policies – the factor that usually makes the difference. II is not implicit. In fact, the "go up" and "come down" activities point to the contrary.

38. 2; The assumption is that since Hizbul is only one of the militant organisations, its decision does not apply to others. Hence II is implicit. I is not implicit because the statement does not assume what the ideal should be.

39. 2; Clearly, the word tempted suggests that the nationalisation clause is being seen as the culprit.

40. 2; The reason for the UN's financial pressure can't be assumed. Hence I is not implicit. II is implicit; that is why "it is a shame".

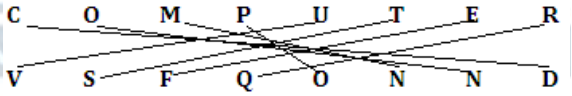
41. 4;
SIM POT LAP = Bubbal is good ...(i)
PAL SOP JAT = Mahua likes songs ... (ii)
SOP SIM KAP = Songs are good ... (iii)
From (ii) and (iii), SOP = songs ... (iv)
From (ii) and (iv), Mahua = PAL or JAT

42. 3; First letters follow +5, +7, +9, ... series
Second letters follow +6, +8, +10,... series
Third letters follow +7, +9, +11,...series

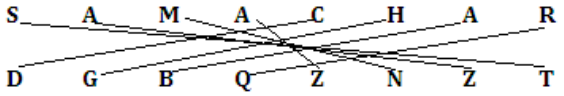
43. 4; 4 3 9 7 5 Z 8 7 5 7 9 5 Z 8 7 7 8 5 Z 4 3 5 Z

44. 2;

45. 4;



Similarly



46. 2; AY... (i), Q = X ... (ii), YX ... (iii), M > A ... (iv)
From (i), (ii) and (iii), we get
A YX = Q or AY Q. Hence I is not true.
From (i) and (iv),
M > AY or M > Y or Y < M. Hence II is true.

47. 2; J = R ... (i), K W ... (ii), CJ... (iii), RW ... (iv)
From (ii) and (iv),
K W R. Hence no relation between R and K can be established. Hence I is not true.
From (i) and (iii), we get, CJ = R or CR. Hence II is true.

48. 4; E = S ... (i), GL ... (ii), T > S ... (iii), E < L ... (iv)
From (i), (iv) and (ii), we get
G L > E = S. Hence no relation between S and G can be derived. Hence I is not true.
From (i), (iii) and (iv), we get
L > E = S < T, Again no relation between L and T can be derived. Hence II is not true.

49. 4; H J ... (i), E > F ... (ii), F < J ... (iii), J E ... (iv)
From (i) and (iii), H J > F or H > F ... (v). Hence I is not be true.

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From (ii) and (v), H > F < E. Hence nothing can be said about the relationship between H and E. Hence II is not true.

50. 1; U > V ... (i), M < V ... (ii), UQ ...(iii)
From (i) and (ii), U > V > M or U > M. Hence I is true.
From

QUANT SOLUTION

51. (4) 16 men do the whole (100%) work in 10 ×2 = 20 days
10 women do the whole (100%) work in $\frac{15\times100}{75}$ = 20 days
∴ 16 men + 10 women do the whole work in $\frac{20\times20}{20\times20}$ = 10 days
∴ 8 men + 5 women do the whole work in 20 days
∴ required days = $20\left(\frac{80}{100}\right)$ = 16 days

52. (2) Total employees of A = 500× $\frac{100}{25}$ = 2000
Total employees of B = 252 × $\frac{100}{(100-16)}$ = 300
∴ Total strength of A and B = 2300

53. (3); Let the side of the square be x.
∴ circumference of base of cylinder = x
∴ radius = x × $\frac{7}{44} = \frac{7x}{44}$
∴ ratio = $\frac{7x}{44x}$ = 7 : 44

54. (5); Distance = $\frac{60\times20}{60-20} \times \frac{50}{60}$ = 25 km

55. (3); Required ratio = $\frac{45\times36}{55\times68}$ = 81 : 187

56. (2); R + S = S + M + 15
⇒ R – M = 15 .....(i)
And, $\frac{R+S+M}{3} = \frac{R+S}{2}$
Or, 3R + 3S = 2R + 2S + 2M
∴ M = $\frac{R+S}{2}$ ---------(ii)
Putting (ii) in (i)
R – $\frac{(R+S)}{2}$ = 15
∴ R – S = 30

57. (1); Area of the park = 12000m2
Area of the park excluding the lawn = 8700m^2
∴ Area of the lawn = 12000 – 8700 = 3300m^2
Or, πr^2 = 3300
Or , r = $\sqrt{\frac{3300\times7}{22}} = \sqrt{1050} \approx 32.40$m s

58. (2); Speed of 1st train = $\frac{200}{10} = 20$m/s.
Now, speed of 2nd train = Speed of first train
∴ 20 = $\frac{x+300}{20}$
Where x = length of 2nd train
∴ x = 100m
Now total length = 100 + 200 = 300m
Now, s = 20 m/s
∴ Time = $\frac{300}{20}$ = 15 seconds

59. (2); Let CP = Rs. 100
Marked price = Rs. 140
Now, $\frac{100}{7}$ % of 140 = Rs. 20
And 10% of (140 – 20) = 12
∴ SP = 140 – (20 + 12) = Rs. 108
∴ Percentage profit = $\frac{108-100}{100} \times 100 = 8\%$

60. (3) Let total distance is 100 km
T1 = 25/50 = ½ hour
T2 = 60/40 = 3/2 hour
T3 = 15/20 = 3/4 hour
T = ½ + 3/2 + ¾ = 11/4 hour
Ave speed = $\frac{100}{\frac{11}{4}} = 36\left(\frac{4}{11}\right)$ km/hr

61. (5); only (b) and (c)

62. (3) ; Req. percent = $\frac{16}{80} \times 100 = 20\%$

63. (3); Central angle = $\frac{1000}{2500} \times 360 = 144°$

64. (4); $\frac{400}{2500} \times 100 = 16\%$

65. (3); $\frac{1500}{2500} \times 100 = 60\%$

66. (5); $x = -2, \frac{-7}{3}$; $y = \frac{-5}{3}, -2$; $x \le y$.

67. (2); $x = \frac{6}{7}, y = \frac{3}{5}$, ; $x > y$

68. (3); $x = 7, y = 7, x = y$

69. (2); $x = 4, \frac{1}{4}$; $y = -4, \frac{-1}{4}$; $x > y$

70. (4); $x = 6, 3$; $y = 3, \frac{-1}{2}$; $x \ge y$

71. (5); Combining both the statement together,
Speed of the train = $\frac{132}{11} \times \frac{18}{5} = 43.2\ km/hr$

72. (3); I. weight of B = $\frac{100\times7}{20} = 35\ kg.$
II. weight of B = $\frac{15\times7}{3} = 35\ kg.$

73. (3); I. Amount of profit = 20% of 1200 = 240
II. Sp-Cp=240= Amount of profit

74. (4); Cost of fencing per square metre is not given. So, Even combining both the statement together, total cost of fencing can't be determined.

75. (2); From statement II alone:
Let the sum be P.
$\left[P\left(1+\frac{10}{100}\right)^4 - P\right] - \frac{P\times10\times4}{100} = 641$
P = 1000.

76. (3); Let x and y be two numbers in which x is greater than y
$xy = 1092$
$(x+y) - (x-y) = 42$
$2y = 42$
$y = 21$
∴ $x = \frac{1092}{21} = 52$

77. (1); Let Breadth = x m and length = $\frac{3x}{2}$ m
$x \times \frac{3x}{2} = \frac{3}{2} \times 10000$
$x^2 = 10000$
$x = 100$
Length = $\frac{3}{2} \times 100 = 150$m

78. (2); $7 \times 50 = 350\ km$; $\frac{350}{60-50}$ = 35 hr.
Distance = 35 × 60 = 2100 km

79. (1); AB = x
A = x + 6

B = x + 1.5; $\frac{1}{x+6}+\frac{1}{x+1.5}=\frac{1}{x}$ ➔ x = 3

80. (4); Original price = 100
C.P = 90
S.P = $\frac{135}{100} \times 100 = 135$
% profit = $\frac{(135-90)}{90} \times 100 = \frac{45}{90} \times 100 = 50\%$

81. (4); $\frac{[(24+18)-28]}{100} \times 16 = 2.24$ lakh

82. (2); $\frac{8}{100} \times 16 \times \frac{1}{5} \times 100,000 = 25600$

83. (3); I_1, sold by A = $16 \times \frac{24}{100} \times \frac{5}{8} \times \frac{65}{100} = 1.56$ lakh
Similarly
Total I_1, = 1.56 + 0.896 + 0.6912 + 1.44 + 0.4096 + 0.384
= 5. 3808 lakh
Arrange = $\frac{5.3808}{\frac{6}{7}} = 89680$

84. (1) $I_1 = \frac{4}{7} \times \frac{7}{100} \times 16, 00, 000$
= 64, 000
$I_2 = \frac{3}{7} \times \frac{7}{100} \times 16,00,000 = 48,000$
I_1 Sold = 64, 000 $\times \frac{64}{100} = 40960$
I_2Sold = 48,000$\times \frac{55}{100} = 26400$
Difference = $I_1 - I_2 = 14560$

85. (5); I_1 sold by A = 156000
I_1 Sold by F = 38400
∴ Required % = $\frac{156000}{38400} \times 100 = 406.25$

86. (3); 21% of 12 $\times \frac{4}{9} = 1.12$ crores

87. (2);

88. (4); $\frac{3}{5} \times 100 = 60\%$

89. (3); $13 \times 12 \times \frac{2}{3} : 16 \times 12 \times \frac{1}{2} = 1 : 4$

90. (4);

91. (3); The series is + 1^3, + 2^3, 3^3, + 4^3……..
Hence 28 is wrong, it should be 30.

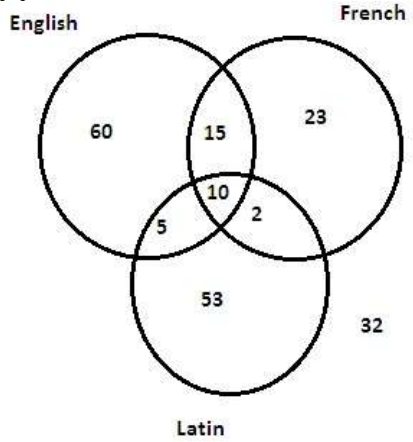
92. (5); The series is × 1^2 + 1, ×2^2 + 2, × 3^2 + 3, ……
Hence 8510 is wrong. It should be 8505

93. (1); The series is × 0.5, × 1, × 1.5, × 2

94. (4); Here 1^{st} + 2^{nd} = 3^{rd} no, 2^{nd} + 3^{rd} = 4^{th} no ; ……

95. (2); The series is × $\frac{1}{2}$, × $\frac{2}{3}$,× $\frac{3}{4}$,× $\frac{4}{5}$, ……

96. (3); 60 + 23 + 53 = 136



97. (1); 32

98. (1); 5 + 10 + 15 + 2 = 32

99. (4); 15 + 5 + 2 = 22

100. (2); 200 – 10 = 190

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ENGLISH LANGUAGE

101. 2
102. 5
103. 5
104. 4
105. 3
106. 1
107. 2
108. 3
109. 4
110. 5

For questions **(111-116):** The proper sequence of sentences to form a meaningful paragraph will be **BDFEAC.**

111. 3; F
112. 5; C
113. 1; E
114. 4; B
115. 2; A
116. 4; D
117. 4; Replace 'inside' with 'of'.
118. 5
119. 3; Delete 'much'.
120. 2; Delete 'having being'.
121. 2; It should be 'adhered to', so insert 'to' after 'adhered'.
122. 5; Domestic prices of sugar are falling due to a bumper crop.
123. 2; Sugar industry want the state to facilitate exports with additional subsidies *to maintain prices* which are falling in the domestic market.
124. 4; Farmers have ended up as hostages of unsustainable farming practices. It has created ecological imbalances besides upsetting crop diversity.
125. 1; Subsidies lead to a vicious cycle of debt and dependence on state support, so it should be done away with to make farmers self-dependent.
126. 3; Over-dependence on cash crops has helped sustaining crop diversity.
127. 1; It is subsidy due to which cash crops like sugar cane are being grown even in dry areas.
128. 2; **INDUCED** means succeed in persuading or leading (someone) to do something. So, persuaded is the word which is similar in meaning to it.
129. 5; **HOSTAGES** means a person seized or held as security for the fulfillment of a condition. So, captives is the word which is similar in meaning to it.

130. 1; **FACILITATE** means make (an action or process) easy or easier. So, impede is the word which is opposite in meaning to it.

131. 2; **LURED** means tempt (a person or animal) to do something or to go somewhere, especially by offering some form of reward. So, deterred is the word which is opposite in meaning to it.

132. 1; Policymakers can use the evidence that shows the economic benefits of equality by ridding their system of discriminating laws that are holding women back.

133. 3; To refer a situation in which you or someone else is seeing only a small part of what is really a bigger problem.

134. 5

135. 4; The bias against women keeps countries poorer

136. 2; Analytical

137. 3; **Invigorating** means making one feel strong, healthy, and full of energy. So, Emboldening is the word which is similar in meaning to it.

138. 4; **Enforcement** means the act of compelling observance of or compliance with a law, rule, or obligation. So, Execution is the word which is similar in meaning to it.

139. 1; **Endure** means to suffer (something painful or difficult) patiently. So, Cease is the word which is opposite in meaning to it.

140. 1; **Deteriorate** means become progressively worse. So, Improve is the word which is opposite in meaning to it.

Answer KEY

1. (b)	**2.** (e)	**3.** (a)	**4.** (a)	**5.** (d)	**6.** (e)	**7.** (e)	**8.** (e)	**9.** (b)	**10.** (d)
11. (a)	**12.** (c)	**13.** (e)	**14.** (b)	**15.** (c)	**16.** (e)	**17.** (d)	**18.** (c)	**19.** (c)	**20.** (d)
21. (b)	**22.** (a)	**23.** (e)	**24.** (a)	**25.** (c)	**26.** (b)	**27.** (c)	**28.** (d)	**29.** (b)	**30.** (a)
31. (b)	**32.** (d)	**33.** (a)	**34.** (b)	**35.** (a)	**36.** (e)	**37.** (a)	**38.** (b)	**39.** (b)	**40.** (b)
41. (d)	**42.** (c)	**43.** (d)	**44.** (b)	**45.** (d)	**46.** (b)	**47.** (b)	**48.** (d)	**49.** (d)	**50.** (a)
51. (d)	**52.** (b)	**53.** (c)	**54.** (e)	**55.** (c)	**56.** (b)	**57.** (a)	**58.** (b)	**59.** (b)	**60.** (c)
61. (e)	**62.** (c)	**63.** (c)	**64.** (d)	**65.** (c)	**66.** (e)	**67.** (b)	**68.** (c)	**69.** (b)	**70.** (d)
71. (e)	**72.** (c)	**73.** (c)	**74.** (d)	**75.** (b)	**76.** (c)	**77.** (a)	**78.** (b)	**79.** (a)	**80.** (d)
81. (d)	**82.** (b)	**83.** (c)	**84.** (a)	**85.** (e)	**86.** (c)	**87.** (b)	**88.** (d)	**89.** (c)	**90.** (d)
91. (c)	**92.** (e)	**93.** (a)	**94.** (d)	**95.** (b)	**96.** (c)	**97.** (a)	**98.** (a)	**99.** (d)	**100.** (b)
101. (b)	**102.** (e)	**103.** (e)	**104.** (d)	**105.** (c)	**106.** (a)	**107.** (b)	**108.** (c)	**109.** (d)	**110.** (e)
111. (c)	**112.** (e)	**113.** (a)	**114.** (d)	**115.** (b)	**116.** (d)	**117.** (d)	**118.** (e)	**119.** (c)	**120.** (b)
121. (b)	**122.** (e)	**123.** (b)	**124.** (d)	**125.** (a)	**126.** (c)	**127.** (a)	**128.** (b)	**129.** (e)	**130.** (a)
131. (b)	**132.** (a)	**133.** (c)	**134.** (e)	**135.** (d)	**136.** (b)	**137.** (c)	**138.** (d)	**139.** (a)	**140.** (a)
141. (d)	**142.** (b)	**143.** (c)	**144.** (d)	**145.** (c)	**146.** (a)	**147.** (a)	**148.** (d)	**149.** (c)	**150.** (b)
151. (d)	**152.** (c)	**153.** (d)	**154.** (b)	**155.** (b)	**156.** (b)	**157.** (d)	**158.** (a)	**159.** (d)	**160.** (e)
161. (a)	**162.** (a)	**163.** (a)	**164.** (a)	**165.** (a)	**166.** (d)	**167.** (c)	**168.** (c)	**169.** (d)	**170.** (c)
171. (c)	**172.** (e)	**173.** (a)	**174.** (c)	**175.** (a)	**176.** (c)	**177.** (e)	**178.** (a)	**179.** (c)	**180.** (a)
181. (a)	**182.** (a)	**183.** (c)	**184.** (a)	**185.** (d)	**186.** (c)	**187.** (a)	**188.** (a)	**189.** (c)	**190.** (b)
191. (b)	**192.** (c)	**193.** (c)	**194.** (c)	**195.** (c)	**196.** (d)	**197.** (b)	**198.** (a)	**199.** (c)	**200.** (b)

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