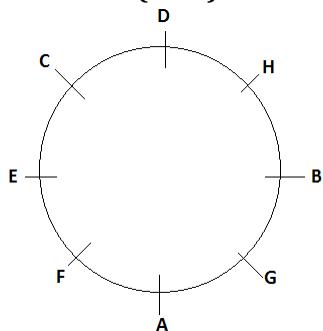


PRACTICE MOCK SOLUTION
REASONING APTITUDE

Directions (1-5):

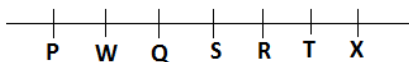
- (1) Only conclusion I follows.
- (4) Neither conclusion I nor II follows.
- (2) Only conclusion II follows.
- (2) Only conclusion II follows.
- (2) Only conclusion II follows.

Directions (6-10):



- (2)
- (5)
- (5)
- (1)
- (1)
- (2) R
- (3) Total number of children=26
- (1) #2*3
- (2) 3
- (1) P

Directions (16-20):



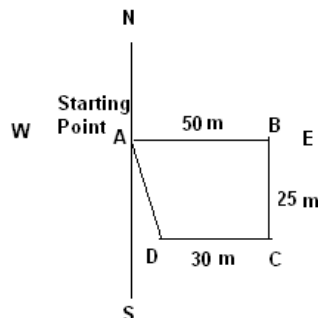
- (1)
- (3)
- (2)
- (3)
- (1)

Directions (21-23):

- (5)
- (3)
- (4)
- (5) The following changes will occur in order
CHEMISTRY
CEHIMRSTY

DDIHNSTUZ

- (2)



Directions (26-30):

- (4)
After arrangement numbers are:
247, 459, 569, 347, 456
Second highest is 459 i.e. 549
- (3) Numbers: 472 549 659 437 645
Interchange last two digits: 427 594 695 473 654
Subtract two from first digit: 227 394 495 273 454
Highest number is 495 i.e. 659
- (5)
- (1)
First digit of second highest number is '6' and third digit of second lowest number is "2".
their product = $6 \times 2 = 12$
- (2)
On addition resulted are
13 18 20 14 15
Second highest is 18 i.e. 549.

Solutions (31-35):

- fresh → sa
 - take → ra
 - vegetables → l
 - water → mi
 - sweet → fi
 - and / pure → nu / te
 - safe → ze
- (4): mi → water
 - (5): pure → nu / te
 - (1): Take (ra) safe (ze) water (mi)
 - (4)
 - (3): te → and / pure

PRACTICE MOCK SOLUTION
NUMERICAL ABILITY

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

42. (2)

43. (2)

44. (1)

45. (3)

46. (2); $\frac{T+2T}{54\left(\frac{5}{18}\right)} = 15$

$$\frac{3T \times 18}{54 \times 5} = 15, T=75$$

Required bridge length = $75 \times 2 = 150$

47. (4); (9-5) years = 6000-4000

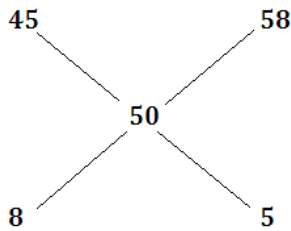
1 years = 500

5 years = 2500

$\therefore P = 4000 - 2500 = 1500$

$$R\% = \frac{500 \times 100}{1500} = 33\frac{1}{3}\%$$

48. (3); CP = $55 \times \frac{100}{110} = 50$



Required ratio = 8 : 5

49. (1); Required % = $\frac{25 \times 10}{(100+25)} = 20\%$

50. (3); $\frac{1}{20} + \frac{1}{60}$
 $\frac{3+1}{60} = \frac{1}{15}$

Required days = 15 days

51. (1); Let the number = $3x$ & $5x$

$$\frac{2 \times 3x}{5x+20} = \frac{2}{3}$$

$$18x = 10x + 40$$

$$x = 5$$

Required sum = $3x + 5x = 8x = 8 \times 5 = 40$

52. (4); Given Girls = 1175

So, boys = $2025 - 1175 = 850$

Required Ratio = $850 : 1175 = 34 : 47$

53. (3); 9% = 540-432

1% = 12

100% = 1200

54. (1); Swati : Khyati

5 : 7 (Two years ago)

7 : 9 (Two years hence)

2 = 4

1 = 2

7 = 14

Present age of khyati = $14 + 2 = 16$ yr.

55. (5); Total weight of 60 students = $60 \times 40 = 2400$

Actual total weight of 60 students = $2400 - 3 = 2397$

ie Actual average of class = $\frac{2397}{60} = 39.95$

56. (3); perimeter of square = $\frac{1}{4}$ perimeter of rectangle

Perimeter of rectangle = $4 \times 44 = 176$

Side of square = $\frac{44}{4} = 11$ cm

$2(l+b) = 176$

$2(51+b) = 176$

$b = 37$

Required difference = $37 - 11 = 26$

57. (2); Speed of truck : Speed of car

$$\frac{360}{8} : \frac{360}{6}$$

$$3 : 4$$

58. (2) S.I. = $\frac{31400 \times 8 \times 12}{100} = 30144$

Total amount = $31400 + 30144 = 61544$

59. (5) $\pi R^2 = 3580$

$$R^2 = \frac{3580 \times 7}{22} = 1139.09$$

$R = 33.750$

So, $2\pi R = 2 \times \frac{22}{7} \times 33.750 = 212.14$

60. (3); $2\pi R = 220$

$$R = \frac{110 \times 7}{22} = 35$$

$$l \times b = \pi r^2$$

$$l \times 50 = \frac{22}{7} \times 35 \times 35$$

$$l = 77$$

61. (5) The subsequent terms are $\times 1+1$, $\times 2+2$, $\times 3+3$ and so on of their previous terms.

62. (3) The difference between consecutive terms are 8, 20, 38, 62 and 92

And their differences are 12, 18, 24, 30 and so on.

63. (5) The difference between consecutive terms are prime numbers i.e. 2, 3, 5, 7 and so on.

64. (1) The difference between consecutive terms is 3, 6, 12, 24, 48 and so on.

65. (1) The terms are square of consecutive primes i.e. $13^2, 17^2, 19^2, 23^2$ and so on.

66(5) Total quantity of food items consumed by Hotel C = 3409

Total quantity of food items consumed by Hotel E = 2915

$$\text{Required percentage} = \frac{3409 \times 100}{2915}\%$$

$$= 116.95\%$$

$$= 117\% \text{ (approx.)}$$

67. (1) Quantity of sugar and coffee consumed by Hotel D

$$= 476 + 28$$

$$= 504$$

Quantity of sugar and coffee consumed by Hotel F

$$= 533 + 83 = 616$$

$$\text{Required ratio} = \frac{504}{616} = 9:11$$

68. (3) Quantity of the rice consumed by Hotel A = 800

Quantity of the rice consumed by all the hotels together

$$= 1098 + 960 + 890 + 764 + 698 + 800$$

$$= 5210$$

Required percentage

$$= \frac{800}{5210} \times 100\% = 15\% (\text{Aprox.})$$

69. (4) Average quantity of wheat consumed by all the hotels together

$$= \frac{756 + 882 + 785 + 907 + 888 + 998}{6}$$

$$= \frac{5216}{6}$$

Average quantity of vegetable consumed by all the hotels together

$$= \frac{434 + 387 + 625 + 432 + 375 + 387}{6}$$

$$= \frac{2640}{6}$$

$$\text{Required} = \frac{5216}{6} : \frac{2640}{6}$$

$$= (326 \times 16) : (165 \times 16) = 326 : 165$$

70. (2) Total consumption by Hotel A
 $= 480 + 434 + 436 + 120 + 68 + 800 + 756$
 $= 3094$

Total consumption by Hotel B
 $= 524 + 384 + 512 + 100 + 54 + 1098 + 882$
 $= 3557$

Total consumption by Hotel C
 $= 490 + 625 + 463 + 78 + 78 + 890 + 785$
 $= 3409$

Total consumption by Hotel D
 $= 387 + 432 + 476 + 94 + 28 + 960 + 907$
 $= 3284$

Total consumption by Hotel E
 $= 266 + 375 + 448 + 108 + 65 + 754 + 888$
 $= 2915$

Total consumption by Hotel F
 $= 342 + 387 + 533 + 114 + 83 + 698 + 998$
 $= 3115$

PRACTICE MOCK SOLUTION ENGLISH LANGUAGE

71. (1); The wide ears
 72. (4); They wished to recognise animals by their touch and feel.
 73. (4); The elephant
 74. (1); Only A
 75. (2); Each of them thought he was right about the animal.
 76. (3); That it was important to share knowledge and work together as a team
 77. (1); **Convinced** means completely certain about something. So, Certain is the word which is similar in meaning to it.
 78. (2); **Pool** means to accumulate. So, Gather is the word which is similar in meaning to it.
 79. (2); **Consensus** means a general agreement. So, Disagreement is the word which is opposite in meaning to it.
 80. (5); **Curious** means eager to know or learn something. So, Uninterested is the word which is opposite in meaning to it.
 81. (3); Substitute 'guide to' with 'guides'.
 82. (4); Substitute 'does' with 'did'.
 83. (1); Substitute 'deplete' with 'depletion'.
 84. (1); Substitute 'which' with 'who'.
 85. (4); Replace 'than' with 'as'.
 86. (4); Right spelling is 'exception'.
 87. (5); All correct
 88. (4); Right spelling is 'mechanical'.
 89. (3); Right spelling is 'speech'.
 90. (1); Right spelling is 'coping'.
For question (91-95); The correct sequence to form a meaningful paragraph is **ECBFAD**.
 91. (3); (C)

92. (1); (A)
 93. (5); (E)
 94. (4); (D)
 95. (2); (B)
 96. (1)
 97. (3)
 98. (4)
 99. (5)
 100. (5)