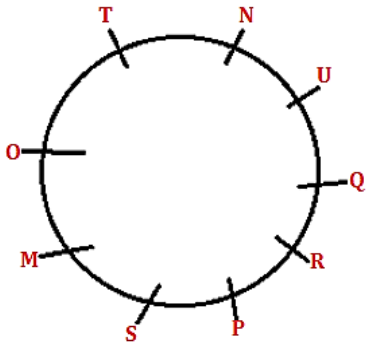
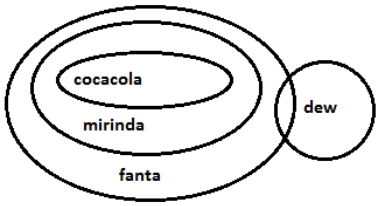
Memory Based RBI Assistant Pre 2016 (Solutions)

Solutions (1-5):

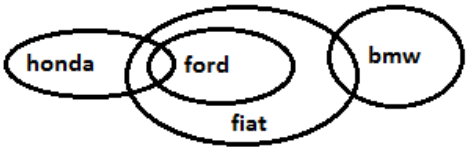


S1. Ans.(c)
S2. Ans.(c)
S3. Ans.(d)
S4. Ans.(a)
S5. Ans.(b)

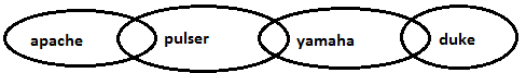
S6. Ans.(a)
Sol.



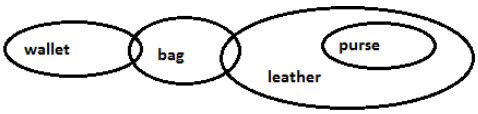
S7. Ans.(b)
Sol.



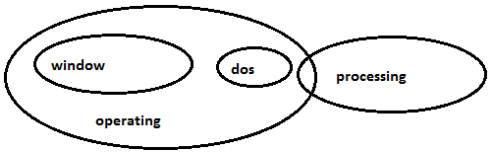
S8. Ans.(d)
Sol.



S9. Ans.(d)
Sol.



S10. Ans.(c)
Sol.



Directions (11 - 15):

Days	Plays
Mon	A
Tue	F
Wed	B
Thu	D
Fri	G
Sat	C
Sun	E

S11. Ans.(d)
S12. Ans.(a)
S13. Ans.(e)
S14. Ans.(e)
S15. Ans.(c)

S16. Ans.(b)

S17. Ans.(c)
Sol. 5CZ ,3YN

S18. Ans.(a)
Sol. 5$X

S19. Ans.(e)
Sol. R=11th
L=2nd
_____
L=13th => Q

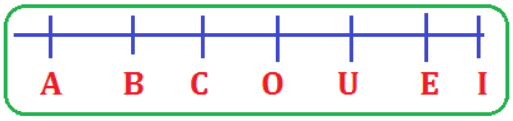
S20. Ans.(b)
S21. Ans.(d)
S22. Ans.(a)

S23. Ans.(b)
Sol. G≥F>A=C=B≥E<H<D

S24. Ans.(a)
Sol. B ≤ A = N > K ≥ S

S25. Ans.(c)

Solutions (26-30):



S26. Ans.(c)
S27. Ans.(e)
S28. Ans.(b)
S29. Ans.(c)
S30. Ans.(c)

S31. Ans.(e)
Sol.

S32. Ans.(a)
Sol. ABTI→BAIT

S33. Ans.(b)
Sol. A R O U N D or A U O R N D

S34. Ans.(c)
Sol. Meaningful word is AROUND

S35. Ans.(c)
Sol. here Ronaldo is 12th from the right, i.e. 14th from the left. therefore, the position of Rivaldo is 14 + 5 + 1 = 20th from the left.

S36. Ans.(d)
Sol. Total person came to PVR theatre
$= \frac{28}{100} \times 4400 = 1232$
Required value $= \frac{(7-4)}{11} \times 1232 = 336$

S37. Ans.(b)

Sol. Total person come in Cinema theatre

$= \frac{24}{100} \times 4400 = 1056$

Required value $= \frac{1}{2} \times \frac{\left[25+\left(100-25-\frac{100}{3}\right)\right]}{100} \times 1056$

$= \frac{1}{200} \times \frac{200}{3} \times 1056 = 352$

S38. Ans.(e)

Sol. Total person come in DT theatre

$= \frac{18}{100} \times 4400 = 792$

Required value $= \left[\frac{50}{3} + \frac{200}{3}\right] \times \frac{792}{100} = 660$

S39. Ans.(e)

Sol. Required value $= \frac{24+18-14-16}{100} \times 4400$

$= \frac{12}{100} \times 4400 = 528$

S40. Ans.(c)

Sol. Required% $= \frac{18}{24} \times 1$

S41. Ans.(b)

Sol. Pattern is

$18 \times 3 + 1 = 55$

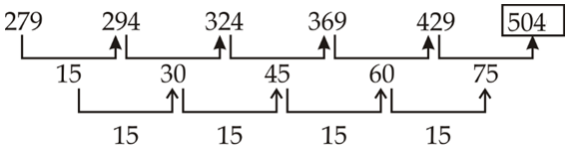
$55 \times 3 + 2 = 167$

$167 \times 3 + 3 = 504$

$504 \times 3 + 4 = 1516$

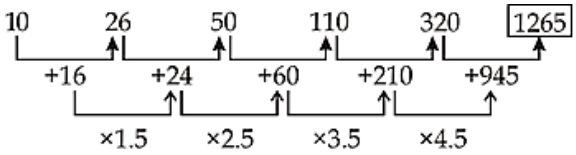
S42. Ans.(a)

Sol. Pattern is



S43. Ans.(d)

Sol. Pattern is



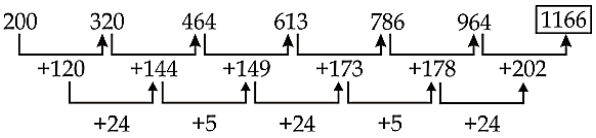
S44. Ans.(b)

Sol. Pattern is

$\frac{286}{2} - 1 = 142, \frac{142}{2} - 1 = 70, \frac{70}{2} - 1 = 34, \frac{34}{2} - 1 = 16$

S45. Ans.(c)

Sol. Pattern is



S46. Ans.(d)

Sol. $\frac{187}{357} \times (42)^2 - 22 \times 38 = \frac{?}{4}$

$\frac{11}{21} \times 42 \times 42 - 22 \times 38 = \frac{?}{4}$

$22\ (42 - 38) \times 4 = ?$

$? = 352$

S47. Ans.(b)

Sol. $44 \times 46 - 160\%$ of 9

$2024 - 1520 = 21 \times ?$

$? = \frac{504}{21} = 24$

S48. Ans.(c)

Sol. $? = 1126 - 986 = 140$

S49. Ans.(a)

Sol. $77\% \times 150 + 37.5\% \times 260 = ?\% \times 284$

$115.5 + 97.5 = ?\% \times 284$

$\frac{213}{284} \times 100 = ?$

$? = 75$

S50. Ans.(b)

Sol. $? = (7 + 9 - 4 + 5 - 6 - 3) + \left(\frac{1}{6} + \frac{2}{3} - \frac{1}{2} + \frac{5}{6} - \frac{1}{2} - \frac{1}{6}\right) = 8 + \frac{1}{2} = 8\frac{1}{2}$

S51. Ans.(d)

Sol. $\frac{2^5 \times 2^7 \times 8^4}{4^3 \times 16^3} = 2^?$

$2^? = \frac{2^{12} \times 2^{12}}{2^6 \times 2^{12}} = 2^6$

$\Rightarrow ? = 6$

S52. Ans.(b)

Sol. $\sqrt{576} \times \sqrt{6561} = ? \times \sqrt{11664}$

$\Rightarrow ? \times 108 = 24 \times 81$

$\Rightarrow ? = \frac{24 \times 81}{108} = 18$

S53. Ans.(d)

Sol. $\frac{306}{69} \times \frac{483}{34} \times \frac{25}{63} = ?^2$

$\Rightarrow ?^2 = 25$

$\Rightarrow ? = 5$

S54. Ans.(a)

Sol. $\frac{0.4 \times 220 \times 18}{48} = ? \times 11$

$\Rightarrow ? = 3$

S55. Ans.(e)

S22. 5% of 120 + 47.5% of

$\Rightarrow ? \times 11 = 27 + 171$

$\Rightarrow ? = \frac{198}{11} = 18$

S56. Ans.(d)

Sol. $\frac{40}{100}y - \frac{20}{100}x = 270$

$\Rightarrow 2y - x = 1350$ ...(i)

and $\frac{40}{100}x - \frac{20}{100}y = 0$

$2x - y = 0$ ...(ii)

On solving (i) & (ii)

$x = 450$

$y = 900$

Required sum = 1350

S57. Ans.(b)

Sol. Speed of Aman $= \frac{2340}{18} = 130$ m/s

Speed of Satish $= \frac{40}{100} \times 130 = 52$ m/s

Time taken by Satish $= \frac{468}{52} = 9$ seconds

S58. Ans.(d)

Sol. Let C.P. of A = x

Marked price of article = 1.2x

ATQ,

$S1.2x \times 0.9 - 1.2x \times 0.8 = 4.8$

$S1.2x \times 0.1 = 4.8$

$x = 40$

S59. Ans.(b)

Sol. Let, speed of stream = x

Speed of boat = 3x

ATQ,

$\frac{60}{3x+x}+\frac{60}{3x-x}=4.5$

$\frac{60}{4x}+\frac{60}{2x}=4.5$

$\frac{15}{x}+\frac{30}{x}=4.5$

$\Rightarrow x = 10$

Speed of boat = 30 km/hr

S60. Ans.(c)

Sol. $\pi r^2 = 616$

$\Rightarrow r = 14$ m

Perimeter of rectangle = Perimeter of circle

$= 2\pi r = 2 \times \frac{22}{7} \times 14 = 8$

And,

$2(\ell + b) = 88$

$(1.2b + b) = 44$

S2.2b=44

b = 20

$\ell = 24$

Diagonal $= \sqrt{20^2 + 24^2}$ = 31m

S61. Ans.(a)

Sol. Speed downstream = (15 + 3) = 18 kmph

Speed upstream = (15 − 3) = 12 kmph

Let the required distance be x km.

Then, $\frac{x}{18}+\frac{x}{12}=\frac{75}{60}$

$\Rightarrow 2x + 3x = \left(\frac{5}{4} \times 36\right)$

$\Rightarrow 5x = 45$

$\Rightarrow x = 9$

Hence, the required distance is 9 km.

S62. Ans.(d)

Sol. Places: - - - - -

Digits: 4 4 4 6 6

Total number of sequences = 4 × 4 × 4 × 6 × 6 = 2304.

S63. Ans.(b)

Sol. In this case we need to select the probability of choosing one bag out of two given bags which will be $=\frac{1}{2}$

So the required probability

$=\frac{1}{2}$ (Red ball from bag 1 + Red ball from bag 2)

$= \frac{1}{2}\left(\frac{7}{14}+\frac{5}{14}\right) = \frac{12}{28} = \frac{6}{14} = \frac{3}{7}$

S64. Ans.(e)

Sol. Let the Present age of Veer and his grandfather be x and y.

ATQ,

$\frac{y-6}{x-6} = \frac{11}{1}$

$\Rightarrow y - 6 = 11x - 66 \ldots\ldots\ldots (i)$

And,

$\frac{y+18}{x+18} = \frac{3}{1}$

$\Rightarrow y + 18 = 3x + 54 \ldots\ldots$

On solving (i) and (ii), W

$x = 12 ; y = 72$

Required Ratio = $\frac{12+6}{72+6} =$

S65. Ans.(b)

Sol. Let 'l' be the length o

ATQ, $l = 1.5b$

$l \times b = 486$

$S1.5b^2 = 486$

$b = 18$

$\Rightarrow l = 27$

Cost of fencing = 2×(18+27)×11=Rs.990

S66. Ans.(d)

Sol. Let the numbers are x, y and z (in ascending order)

ATQ,

$x + y + z = 44 \times 3 = 132$

$x + y = 72$

$\Rightarrow z = 60$

$\Rightarrow x = \frac{60}{15} \times 8 = 32$

$\Rightarrow y = 132 - 60 - 32 = 40$

Required difference = 40 – 32 = 8

S67. Ans.(d)

Sol. ATQ,

Initially Quantity of milk

$= \frac{3}{5} \times 25 = 15\ell$

Initially quantity of water

$= \frac{2}{5} \times 25 = 10\ell$

'x' ℓ of water is added to make the ratio of milk and water 1 : 1 ⇒ Quantity of milk initially is same as quantity of water after adding 'x' ℓ water = 15ℓ.

⇒ x = 15 – 10 = 5ℓ

Quantity of total mixture now = 25 + 5 = 30ℓ.

'y' ℓ of milk is added now to make the proportion of milk and water same as before = 3 : 2

$\Rightarrow \frac{3}{5} = \frac{15+y}{30+y}$

⇒ 90 + 3y = 75 + 5y

2y = 90 – 75

y = 7.5 ℓ

$Required\ \% = \frac{7.5-5}{5} \times 10$

S68. Ans.(c)

Sol. Let upstream speed

Downstream speed = 11

$Speed\ of\ boat = \frac{1}{2}(x +$

$\Rightarrow x = \frac{30\times2}{12} = 5$

⇒ upstream speed = 5 kr

Distance travelled in 5 h

S69. Ans.(c)

Sol. Let A's age, B's age and C's age is a, b and c respectively

a + b + c = 3 × 27 – 15 = 81 − 15 = 66 ...(i)

$\frac{a-6}{b-6} = \frac{6}{7} \Rightarrow 7a - 6b = 6\ \ldots(ii)$

b = c – 8 ...(iii)

Use (i), (ii) & (iii)

$\frac{6b+6}{7} + b + b + 8 = 66$

$\frac{6b+b+7b+7b+56}{7} = 66$

20b = 66 × 7 – 62 = 400

b = 20

a = 18

c = 28

Required difference = 28 – 18 = 10 years

S70. Ans.(e)
Sol. Let C.P. of 1 bat = 4x
$S.P.\ of\ 1\ bat = 4x \times 1.25 = 5x$
$C.P.\ of\ 1\ ball = \frac{4x \times 5}{4} = 5x$
S.P. 1 ball = 5x × 1.4 =7x
ATQ,
5x + 7x – 4x – 5x = 45
3x = 45
x = 15
cost price of one ball = 15 × 5 = Rs. 75

S71. Ans.(c)
Sol. The passage says : Haridatta's son killed snake because he thought the anthill must be full of gold and thus if he kills the cobra, he can collect all the gold in an instant, instead of having to waste his time coming here everyday which clearly shows that he was greedy. Thus, (c) is the correct option.

S72. Ans.(b)
Sol. A diamond was the c

S73. Ans.(b)
Sol. Haridatta was aston e th ht, " be the god of this land. I have never seen or wors hich bably to get anything from the land." So, (b) is the corre

S74. Ans.(a)
Sol. 'The Cobra and The l he most appropriate title of the

S75. Ans.(c)
Sol. Haridatta's son killed snake because he thought the anthill must be full of gold and thus if he kills the cobra, he can collect all the gold in an instant, instead of having to waste his time coming here everyday which clearly shows that he was greedy. Thus, (c) is the correct option.

S76. Ans.(c)
Sol. Humble means having or showing a modest or low estimate of one's importance. So, meek is the word which is similar in meaning to it.

S77. Ans.(e)
Sol. Astonished means greatly surprised or impressed. So, surprised is the word which is similar in meaning to it.

S78. Ans.(a)
Sol. Stretch out means to **stretch** oneself **out** on the ground. So, Lie-down is the word which is similar in meaning to it.

S79. Ans.(e)
Sol. Deftly means that sense of doing something both skillfully and quickly. So, Sluggishly is the word which is opposite in meaning to it.

S80. Ans.(d)
Sol. In an instant means if something happens in an instant, it happens very rapidly. So, One each day is the word which is opposite in meaning to it.

S81. Ans.(b)
Sol. 'Assessing, with' is the correct use because to **assess** the situation we evaluate or estimate the nature, ability, or quality of it and **with** is used to indicate being together or being involved.

S82. Ans.(d)
Sol. 'tried, deceive' is the correct use because 'to deceive' is making the correct sense here which makes sentence structure grammatically correct.

S83. Ans.(d)
Sol. 'have, owns' is the co wo akes correct sense where **own** is used with a poss someo or relates to the person mentioned.
S**4. Ans.(a)**
Sol. The correct use is ' d' wher conclud bring or come to an end and 'resorted' means turn to and adopt (a course of action, especially an extreme or undesirable one) so as to resolve a difficult situation.

S85. Ans.(c)
Sol. The correct use is 'allowed, extortion' where 'extortion' means the practice of obtaining something, especially money, through force or threats.
For questions (86-90)
Sol. The correct sequence to form meaningful paragraph is **BADEFC**.

S86. Ans.(a)
S87. Ans.(c)
S88. Ans.(d)
S89. Ans.(e)
S90. Ans.(a)

S91. Ans.(b)
Sol. 'to' will be used in place of 'in' as after 'junior, senior, inferior, superior, prior, anterior', preposition 'to' is used.
Ex. She is junior to me.

S92. Ans.(a)
Sol. 'for' will be used in place of 'from' as in present perfect continuous or present perfect tense , 'for' is used to represent the period of time.
Ex. He has been living with me for the last one year.

S93. Ans.(a)
Sol. 'received' will be used in place of 'receive' as the sentence is in past tense as is indicated by 'already over'.

S94. Ans.(a)
Sol. 'we would have' will be used in place of 'we had' as for unreal situation of past 'Subject + would/ could/ might/ should + have + V3' is used.
Ex. I would have helped you if you had come earlier.

S95. Ans.(c)
Sol. 'from' will be used in place of 'of' as preposition 'from' is used after 'suffer'.
Ex. He is suffering from f

S96. Ans.(c)
Sol. 'had' will be used in

S97. Ans.(d)
Sol. 'go' will be used in p efore plural verb is used.
Ex. Oil and water do not

S98. Ans.(a)
Sol. 'who' should be repl

S99. Ans.(b)
Sol. 'was' will be used in place of 'were' as the subject of 'that- clause' is 'one'.
Ex. One of these girls is very beautiful.

S100. Ans.(c)
Sol. 'depends' will be used in place of 'depend' as the subject of the sentence is singular.

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