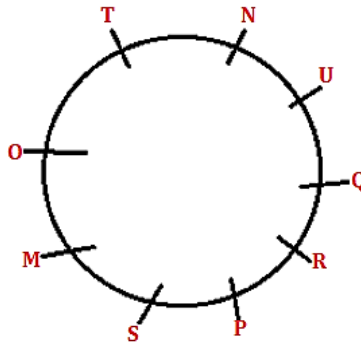


Memory Based RBI Assistant Pre 2016 (Solutions)

Solutions (1-5):



S1. Ans.(c)

S2. Ans.(c)

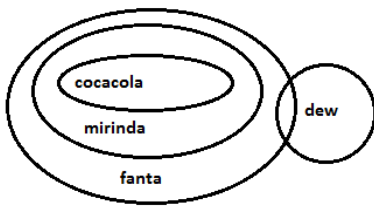
S3. Ans.(d)

S4. Ans.(a)

S5. Ans.(b)

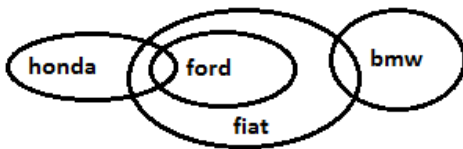
S6. Ans.(a)

Sol.



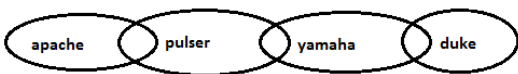
S7. Ans.(b)

Sol.



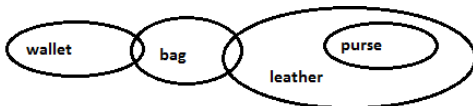
S8. Ans.(d)

Sol.



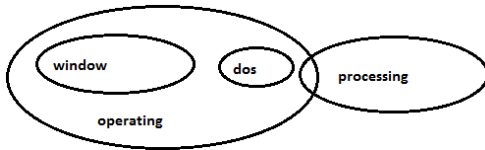
S9. Ans.(d)

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)

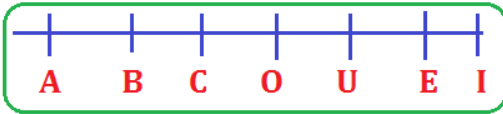
Sol. G>F>A=C=B>E<H<D

S24. Ans.(a)

Sol. $B \leq A = N > K \geq S$

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 $14 + 5 + 1 = 20^{\text{th}}$ from the left.

S36. Ans.(d)

Sol. Total person came to PVR theatre

$$= \frac{28}{100} \times 4400 = 1232$$

$$\text{Required value} = \frac{(7-4)}{11} \times 1232 = 336$$

S37. Ans.(b)**Sol.** Total person come in Cinema theatre

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

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

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

S38. Ans.(e)**Sol.** Total person come in DT theatre

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

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

S39. Ans.(e)

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

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

S40. Ans.(c)

$$\text{Sol. Required \%} = \frac{18}{24} \times 100 = 75\%$$

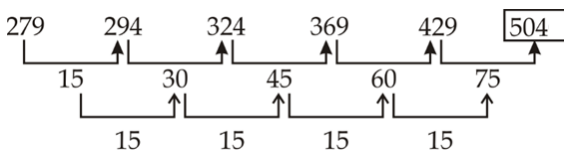
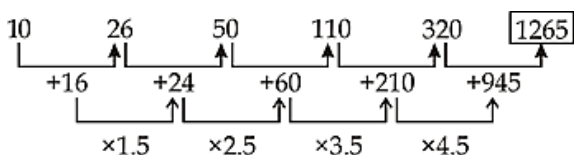
S41. Ans.(b)**Sol.** Pattern is

$$18 \times 3 + 1 = 55$$

$$55 \times 3 + 2 = 167$$

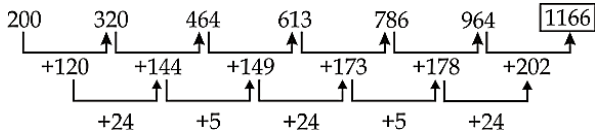
$$167 \times 3 + 3 = 504$$

$$504 \times 3 + 4 = 1516$$

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)**

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

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

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

$$? = 352$$

S47. Ans.(b)

$$\text{Sol. } 44 \times 46 - 160\% \text{ of } 950 = 21 \times ?$$

$$2024 - 1520 = 21 \times ?$$

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

S48. Ans.(c)

$$\text{Sol. } ? = 1126 - 986 = 140$$

S49. Ans.(a)

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

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

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

$$? = 75$$

S50. Ans.(b)

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

S51. Ans.(d)

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

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

$$\Rightarrow ? = 6$$

S52. Ans.(b)

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

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

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

S53. Ans.(d)

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

$$\Rightarrow ?^2 = 25$$

$$\Rightarrow ? = 5$$

S54. Ans.(a)

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

$$\Rightarrow ? = 3$$

S55. Ans.(e)

$$\text{S22. } 5\% \text{ of } 120 + 47.5\% \text{ of } 360 = ? \times 11$$

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

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

S56. Ans.(d)

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

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

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

$$2x - y = 0 \dots(ii)$$

On solving (i) & (ii)

$$x = 450$$

$$y = 900$$

Required sum = 1350

S57. Ans.(b)

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

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

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

S58. Ans.(d)

Sol. Let C.P. of A = x

Marked price of article = 1.2x

ATQ,

$$1.2x \times 0.9 - 1.2x \times 0.8 = 4.8$$

$$1.2x \times 0.1 = 4.8$$

$$x = 40$$

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.** $\pi r^2 = 616$

$$\Rightarrow r = 14 \text{ m}$$

Perimeter of rectangle = Perimeter of circle

$$= 2\pi r = 2 \times \frac{22}{7} \times 14 = 88$$

And,

$$2(\ell + b) = 88$$

$$(1.2b + b) = 44$$

$$2.2b = 44$$

$$b = 20$$

$$\ell = 24$$

$$\text{Diagonal} = \sqrt{20^2 + 24^2} = \sqrt{976} = 4\sqrt{61} \text{ m}$$

S61. Ans.(a)**Sol.** Speed downstream = (15 + 3) = 18 kmph

Speed upstream = (15 - 3) = 12 kmph

Let the required distance be x km.

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

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

$$\Rightarrow 5x = 45$$

$$\Rightarrow x = 9$$

Hence, the required distance is 9 km.

S62. Ans.(d)**Sol.** Places: - - - - -

Digits: 4 4 4 6 6

Total number of sequences = $4 \times 4 \times 4 \times 6 \times 6 = 2304$.

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

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

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

S64. Ans.(e)

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

ATQ,

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

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

And,

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

$$\Rightarrow y + 18 = 3x + 54 \dots \dots \dots (ii)$$

On solving (i) and (ii), We got

$$x = 12 ; y = 72$$

$$\text{Required Ratio} = \frac{12+6}{72+6} = \frac{18}{78} = \frac{3}{13}$$

S65. Ans.(b)

Sol. Let 'l' be the length of field

$$\text{ATQ, } l = 1.5b$$

$$l \times b = 486$$

$$1.5b^2 = 486$$

$$b = 18$$

$$\Rightarrow l = 27$$

$$\text{Cost of fencing} = 2 \times (18+27) \times 11 = \text{Rs.}990$$

S66. Ans.(d)

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

ATQ,

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

$$x + y = 72$$

$$\Rightarrow z = 60$$

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

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

$$\text{Required difference} = 40 - 32 = 8$$

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.

$$\Rightarrow x = 15 - 10 = 5\ell$$

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

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

$$\Rightarrow 90 + 3y = 75 + 5y$$

$$2y = 90 - 75$$

$$y = 7.5\ell$$

$$\text{Required \%} = \frac{7.5-5}{5} \times 100 = \frac{2.5}{5} \times 100 = 50\%$$

S68. Ans.(c)**Sol.** Let upstream speed = x

Downstream speed = 11x

$$\text{Speed of boat} = \frac{1}{2}(x + 11x) = 30$$

$$\Rightarrow x = \frac{30 \times 2}{12} = 5$$

⇒ upstream speed = 5 km/hr

Distance travelled in 5 hours in upstream = 5 × 5 = 25 km

S69. Ans.(c)**Sol.** Let A's age, B's age and C's age is a, b and c respectively

$$a + b + c = 3 \times 27 - 15 = 81 - 15 = 66 \dots(i)$$

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

$$b = c - 8 \dots(iii)$$

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

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

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

$$20b = 66 \times 7 - 62 = 400$$

$$b = 20$$

$$a = 18$$

$$c = 28$$

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 = $5x \times 1.4 = 7x$

ATQ,

$5x + 7x - 4x - 5x = 45$

$3x = 45$

$x = 15$

cost price of one ball = $15 \times 5 = \text{Rs. } 75$

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 cobra's final gift to the Brahmin.

S73. Ans.(b)

Sol. Haridatta was astonished to see this and he thought, "This cobra must really be the god of this land. I have never seen or worshiped him before, which is probably why I am not able to get anything from the land." So, (b) is the correct option.

S74. Ans.(a)

Sol. 'The Cobra and The Brahmin' is the most appropriate title of the passage.

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 correct use because both the words when used together makes correct sense where **own** is used with a possessive to emphasize that someone or something belongs or relates to the person mentioned.

S4. Ans.(a)

Sol. The correct use is 'concluded, resorted' where 'concluded' means to 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 fever.

S96. Ans.(c)

Sol. 'had' will be used in place of 'has' as the sentence is in past tense.

S97. Ans.(d)

Sol. 'go' will be used in place of 'goes' as the subject of 'that- clause' is plural, therefore plural verb is used.

Ex. Oil and water do not mix

S98. Ans.(a)

Sol. 'who' should be replaced by to 'whom'

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.

