

SSC CHSL TIER-I 2020 Memory Based Package Online Test Series (Solutions)

S1. Ans.(d)

Sol. PT, DH, VZ have difference of +4, While KN has +3 difference

S2. Ans.(d)

Sol. 487 is a prime number all other are not.

S3. Ans.(c)

Sol. Except (c) others are sound made by animals/birds

Chirp – birds

Bleat – sheep

Neigh – horse

S4. Ans.(c)

Sol. Every Subsequent number is divided by 2.

S5. Ans.(c)

Sol. +3 series

S6. Ans.(a)

Sol. 10th day = Tuesday

After 20 days = $7 \times 2 + \boxed{6} = 20$

Tuesday + 6 days = Monday.

S7. Ans.(c)

Sol. As Goitre is caused due to lack of Iodine, Anaemia is caused due to lack of Iron in the body.

S8. Ans.(d)

Sol. F = 6 [position of F in the alphabet series]

G = 7 [position of G in the alphabet series]

F + G = 13

U = 21 [position of U in the alphabet series]

V = 22 [position of V in the alphabet series]

U + G = 21 + 22 = 43



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S9. Ans.(b)

Sol. As we get egg (edible) from hen, we get milk (edible) from cow.

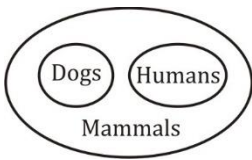
S10. Ans.(d)

Sol.

$$\begin{aligned} &187 \text{ B } 17 \text{ C } 4 \text{ A } 7 \text{ D } 17 \\ \Rightarrow &187 \div 17 \times 4 + 7 - 17 \\ \Rightarrow &11 \times 4 + 7 - 17 \\ \Rightarrow &51 - 17 \\ \Rightarrow &34 \end{aligned}$$

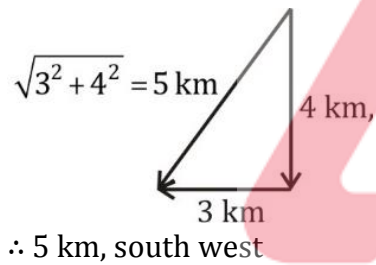
S11. Ans.(b)

Sol.



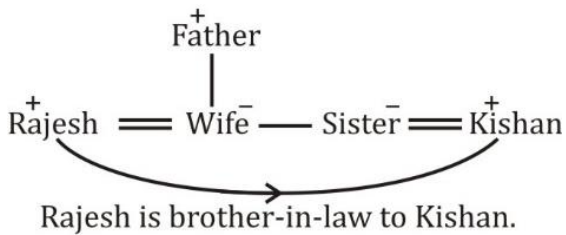
S12. Ans.(b)

Sol.



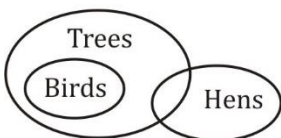
S13. Ans.(a)

Sol.



S14. Ans.(b)

Sol.



I. ✗

II. ✓

Conclusion II follows.

S15. Ans.(a)

Sol. 8 B 31 C 49 D 7 A 16

$$\Rightarrow 8 - 31 + 49 \div 7 \times 16$$

$$\Rightarrow 8 - 31 + 7 \times 16$$

$$\Rightarrow 8 - 31 + 112$$

$$\Rightarrow 120 - 31$$

$$\Rightarrow 89$$

S16. Ans.(a)

S17. Ans.(a)

Sol. $11^2 = 121$

Since, 11 is prime number and its value does not change after interchanging its digits.

S18. Ans.(c)

Sol. Ram > Gopal > Mohan > Sohan

S19. Ans.(c)

Sol. Clearly, there is no 'W' in question word and DROWN contains W.

S20. Ans.(d)

Sol. GIVE \Rightarrow VIEG

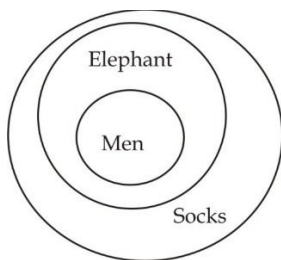
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DISK \Rightarrow SIKD



S21. Ans.(c)

Sol.



I. Π

II. \checkmark

S22. Ans.(d)

S23. Ans.(a)

S24. Ans.(d)

S25. Ans.(b)

S26. Ans.(b)

S27. Ans.(a)

S28. Ans.(a)

S29. Ans.(c)

S30. Ans.(b)

S31. Ans.(d)

S32. Ans.(a)

S33. Ans.(b)

S34. Ans.(c)

S35. Ans.(d)

S36. Ans.(c)

S37. Ans.(a)

S38. Ans.(b)

S39. Ans.(a)

S40. Ans.(b)

S41. Ans.(a)

S42. Ans.(a)

S43. Ans.(b)

S44. Ans.(a)

S45. Ans.(a)

S46. Ans.(a)

S47. Ans.(a)

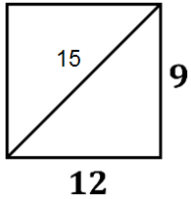
S48. Ans.(d)

S49. Ans.(b)

S50. Ans.(c)

S51. Ans.(d)

Sol.



→ Area = $12 \times 9 = 108 \text{ cm}^2$

S52. Ans.(b)

Sol.

→ 90% - 216

$100\% - \frac{216}{90} \times 100 = 240$

S53. Ans.(b)

Sol.

→ use C& D

$$\frac{\cos\theta}{\sin\theta} = \frac{9}{7} = \cot\theta = \frac{9}{7}$$

S54. Ans.(a)

Sol.

→ A : B = 5 : 7

B : C = 8 : 9

A : B : C = 40 : 56 : 63

∴ share of B = $\frac{56}{159} \times 6360 = 2240$



S55. Ans.(b)

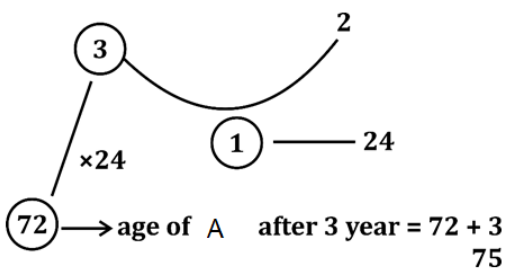
Sol.

→ let $x = 5, y = 1$

∴ $x^2 - 4y^2 = 25 - 4 = 21$

S56. Ans.(C)

Sol.



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S57. Ans.(b)

$$\text{Sol. } 581856 = (8 + 8 + 6) - (5 + 1 + 5) \\ = 22 - 11 = 11$$

↓

Multiple of 11

So, 581856 is divisible by 11.

S58. Ans.(d)

$$\text{Sol. Average speed} = \frac{2S_1S_2}{S_1+S_2} = \frac{2 \times 30 \times 20}{30+20} \\ = \frac{2 \times 30 \times 20}{50} = 24 \text{ km/hr}$$

S59. Ans.(a)

Sol. The $x = ?$

$$\rightarrow x - y = 30$$

$$\underline{x + y = 45}$$

$$2x = 75 \Rightarrow x = 37.5^\circ$$

S60. Ans.(c)

$$\text{Sol. SI} = 45000 - 35000 = 10000$$

$$\therefore T = \frac{10000 \times 100}{35000 \times 10} = \frac{20}{7} = 2\frac{6}{7} \text{ yr.}$$

S61. Ans.(c)

$$\text{Sol. } x^2 + \frac{1}{x^2} = 4 - 2 = 2$$

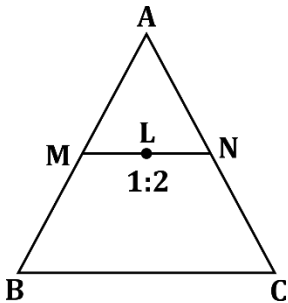
$$x^4 + \frac{1}{x^4} = 4 - 2 = 2$$

S62. Ans.(a)

$$\text{Sol. Minimum value} = 2\sqrt{8 \times 25} = 20\sqrt{2}$$

S63. Ans.(b)

Sol.



$$\rightarrow ML = 3$$

$$\therefore LN = 6 \text{ cm}$$

$$\therefore MN = 9 \text{ cm}$$

$$\therefore BC = 18 \text{ cm [By mid-point theorem]}$$



S64. Ans.(c)

Sol. 125% - 72000

$$130\% - \frac{72000}{125} \times 130 \\ = 74,880$$

S65. Ans.(d)

Sol. $x = \frac{108}{2} = 54$

S66. Ans.(a)

Sol. $15 \times 10 = 20 \times N$

$= N = 7\frac{1}{2} \text{ days}$

S67. Ans.(a)

Sol. $a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$

$\Rightarrow 18 \times (18^2 - 3 \times 107) = 54$

S68. Ans.(C)

Sol. $OM = \frac{9 \times 4}{6} = 6$

S69. Ans.(a)

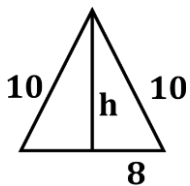
Sol. $(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$

$4 = a^2 + b^2 + c^2 + 2 \times 0$

$a^2 + b^2 + c^2 = 4$

S70. Ans.(b)

Sol.



$\rightarrow h = \sqrt{10^2 - 8^2} = 6$

S71. Ans.(d)

Sol. $\tan(A - B) = \frac{\tan A - \tan B}{1 + \tan A \tan B}$
 $= \tan(60 - 15) = \tan 45 = 1$

S72. Ans.(c)

Sol. $\frac{77^{77} + 77}{78} = \frac{-1 - 1}{78} = \frac{-2}{78} = 76$



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S73. Ans.(c)

Sol.

$$\rightarrow l:b = 5:2$$

$$7 - 119$$

$$1 - 17$$

$$\therefore \text{length} = 5 \times 17 = 85$$

S74. Ans.(a)

Sol.

$$\rightarrow \frac{1}{2} \times r \times r = 36$$

$$r^2 = 36 \times 2$$

$$\therefore \text{Area of circle} = \pi r^2 = 72\pi$$

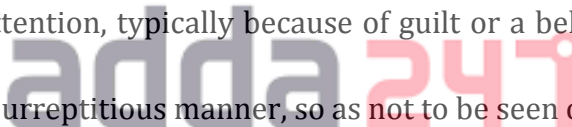
S75. Ans.(d)

Sol.

S 40 30

T : 3 : 4

$$+1 \rightarrow \% \uparrow = \frac{1}{3} \times 100 = 33\frac{1}{3}\%$$



S76. Ans.(b)

Sol. Furtive: attempting to avoid notice or attention, typically because of guilt or a belief that discovery would lead to trouble; secretive.

Stealthy: behaving or done in a cautious and surreptitious manner, so as not to be seen or heard.

While 'forthright' is the antonym for 'furtive' as forthright means direct and outspoken.

Hence option B is the correct choice.

S77. Ans.(a)

Sol. Demolish: to completely destroy a building, especially in order to use the land for something else.

Construct: build or make (something, typically a building, road).

Hence 'Construct' is the correct antonym for 'Demolish'.

S78. Ans.(c)

Sol. Replace 'belongs' with 'belong'.

According to the Subject-Verb agreement rule, Plural Subjects take plural verb with them.

S79. Ans.(c)

Sol. Up in arms (idiom): very upset or angry about something.

S80. Ans.(d)

Sol. Hornet's nest (idiom): a very difficult or unpleasant situation, especially in which a lot of people get very angry and complain

S81. Ans.(c)

Sol. Usurer: a person who lends money at unreasonably high rates of interest.

Uxorious: having or showing a great or excessive fondness for one's wife.

Ambidextrous: able to use the right and left hands equally well

Shylock: a heartless or demanding creditor.

Hence option C is the correct choice.

S82. Ans.(b)

Sol. Assertion: a confident and forceful statement of fact or belief.

Hence option B is the correct choice.

S83. Ans.(d)

Sol. Earthly: relating to the earth or human life.

Heavenly: of heaven; divine.

While remaining three options are synonyms to 'Earthly'.

Hence option D is the correct choice.

S84. Ans.(a)

Sol. Nostalgia: a feeling of pleasure and also slight sadness when you think about things that happened in the past.

Somnambulism: sleepwalking.

Hallucination: an experience involving the apparent perception of something not present.

Hence option A is the correct choice.

S85. Ans.(d)

Sol. The correct spelling is 'Faithfully' which means in a loyal manner.

S86. Ans.(b)

Sol. The correct spelling is 'Unruly' which means disorderly and disruptive and not amenable to discipline or control.

S87. Ans.(d)

Sol. Option D is the correct passive voice for the given statement.

S88. Ans.(b)

Sol. Significant: sufficiently great or important to be worthy of attention; noteworthy.

Option(c) cannot be true because then we will need an indefinite article "an" at the beginning of the sentence. Hence, 'significant' is the only correct answer.

S89. Ans.(a)

S90. Ans.(d)

Sol. Urgent: requiring immediate action or attention.

S91. Ans.(a)

Sol. Imperceptible: so slight, gradual, or subtle as not to be perceived.
Obvious, Apparent and Tangible are antonyms of imperceptible.

S92. Ans.(b)

Sol. Subtle: (especially of a change or distinction) so delicate or precise as to be difficult to analyze or describe.

Fine: very thin or narrow.

Crude: in a natural or raw state; not yet processed or refined.

S93. Ans.(c)

Sol. Replace 'return back the notebooks' with 'return the notebooks'.

Return: to come/go/give back

Hence, **to return the notebooks** is the right usage.

S94. Ans.(d)

S95. Ans.(a)

S96. Ans.(a)

S97. Ans.(b)

Sol. Bear with- be patient or tolerant with

S98. Ans.(c)

Sol. Different is used with 'from' e.g. 'You are different from Varsha'. 'Than' is used for comparisons, e.g. The world is more populated than it was in our time.

S99. Ans.(a)

Sol. Adjourn: put off or postpone.

Disperse: distribute or spread over a wide area.

Postpone: cause or arrange for (something) to take place at a time later than that first scheduled.

Recessed: to attach a fitting by setting it back into the wall or surface to which it is fixed.

However, in official language "adjourn" is used.

S100. Ans.(b)

Sol. Change 'than' into 'when'. "Scarcely....when" is the correct pair of correlatives conjunction.



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