



## IBPS Clerk Prelims 2020 Memory Based Mock Paper (Based on 5<sup>th</sup> December) - Solutions

### S1. Ans.(a)

**Sol.** Only statement (a) is correct.

For statement (a) Refer to the 2<sup>nd</sup> paragraph, “. Sleep allows us to consolidate and store memories, process emotional experiences, replenish glucose (the molecule that fuels the brain), and clear out beta-amyloid (the waste product that builds up in Alzheimer’s patients and disrupts cognitive activity).”

For statement (b) refer to the 1<sup>st</sup> paragraph, “An adult requires 7 to 8 hours of peaceful and quality sleep per day.”

For statement (c) refer to the last paragraph, “The simplest and easiest way to treat sleep deprivation is sleep more.”

### S2. Ans.(b)

**Sol.** Refer to the last sentence of the 3<sup>rd</sup> paragraph “During sleep, regeneration of neurons happens in the cerebral cortex. Thus, in a sleep deprived individual the brain fails to function optimally.” Hence, option (b) is correct.

### S3. Ans.(d)

**Sol.** Bounce back means to return quickly to a normal condition after a difficult situation.

Drop back means fall back or get left behind.

Break out means escape.

Come forward means volunteer oneself for a task or post or to give evidence about a crime.

Fall out means have an argument.

### S4. Ans.(b)

**Sol.** Among the given statements only statement (b) is correct.

For statement (b) refer to the 1<sup>st</sup> paragraph “Sleep deprivation can be defined as inability to complete the sufficient sleep-time required by the person.”

All the other statements are factually incorrect.

### S5. Ans.(e)

**Sol.** Refer to the last paragraph, “**Fighting stress, eating a healthy and a balanced diet, avoiding alcohol** are some other dos for a good night’s sleep. Certain medications can also interfere with one’s sleep thus consult your medical professional about the same. **Exercising or indulging in an activity such as jogging, walk or swimming can also help one sleep better. Avoid usage of electronic gadgets before bedtime** as they can interfere with one’ sleep. Spending time in natural sunlight, Yoga, meditation and breathing exercises can also help one sleep better at night.”

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**S6. Ans.(b)**

**Sol.** Sufficient means enough; adequate.

**S7. Ans.(c)**

**Sol.** Induce means bring about or give rise to.

Encourage means stimulate the development of (an activity, state, or belief).

**S8. Ans.(b)**

**Sol.** Replenish means restore (a stock or supply) to a former level or condition.

**S9. Ans.(a)**

**Sol.** Replace 'between' by 'into'. "Into" is used to show when a person or thing is changing from one form or condition to another:

**S10. Ans.(a)**

**Sol.** The past perfect tense in a sentence or conversation describes an event that happened in the past before another event in the simple past tense was completed in the past. Thus the correct phrase should be "She stayed up".

**S11. Ans.(c)**

**Sol.** 'were; should be replaced by 'was'. Words joined to a singular subject by 'with', 'together with', 'in addition to', 'or', 'as well as', 'besides' etc. The verb must take place with the first subject of the sentence.

**S12. Ans.(e)**

**Sol.** The sentence is grammatically correct.

**S13. Ans.(d)**

**Sol.** 'was' should be replaced by 'is'. Zero conditional sentences refer to the general truth about a situation. These sentences state that one condition always results in the same outcome. Note that the both clauses should be in the present tense.

**S14. Ans.(b)**

**Sol.** Replace "too" with "to"

To is a preposition with several meanings, including "toward" and "until."

Too is an adverb that can mean "excessively" or "also."

**S15. Ans.(a)**

**Sol.** reflexive pronouns can also act as intensive pronouns, but the function and usage are different. An intensive pronoun emphasizes its antecedent. Hence, the correct phrase is "they themselves had". Thus, option (a) is correct.

**S16. Ans.(d)**

**Sol.** The relative pronoun is the subject/object of the relative clause, so we do not repeat the subject/object, Here, that is the object of built, so we don't need 'it'.

**S17. Ans.(e)**

**Sol.** The given sentence is grammatically correct.

**S18. Ans.(d)**

**Sol.** Option (d) is the correct choice.

“Randomly”: in a way that happens, is done, or is chosen by chance rather than according to a plan.

All the other words are either grammatically or contextually incorrect.

Cautiously: in a careful and well-considered way that avoids risk

Anxiously: in a way that shows you are worried or nervous

**S19. Ans.(b)**

**Sol.** “Adapted” is the correct choice.

Adapted: to change something so that you can use it in a different situation

Concise: giving a lot of information in a few words; brief

Immense: very big or great

Prohibited: to say that something is not allowed by law; to forbid

**S20. Ans.(b)**

**Sol.** Option (b) is the correct choice.

Subdued: quieter and with less energy than usual

Evolved: to develop or to make something develop gradually, from a simple to a more advanced form

Refine: to improve something by changing little details

Surge: a sudden strong movement in a particular direction by a large number of people or things

**S21. Ans.(c)**

**Sol.** Option (c) is the correct choice.

Meaning of some other words:

Sustained: to make something continue for a long period of time without becoming less

Aligned: to arrange things in a straight line or so that they are parallel to something else

**S22. Ans.(b)**

**Sol.** Option (b) is the correct choice.

Recited-- to say aloud a piece of writing, especially a poem or a list, from memory

Elaborate-- very complicated; done or made very carefully

**S23. Ans.(b)**

**Sol.** “BAC” is the correct sequence.

The U.P. ordinance not only violates guaranteed fundamental rights but is also in conflict with existing personal laws

**S24. Ans.(d)**

**Sol.** “CBA” is the correct sequence.

The abrupt changes in the sector brought in through the three laws have aggravated the trust deficit of the government.



**S25. Ans.(d)****Sol.** "BCA" is the correct sequence

The Chinese Communist Party initially embraced nationalism as a co-option strategy in the aftermath of the Tiananmen Square massacre

**S26. Ans.(e)****Sol.** "CBA" is the correct sequence.

The Supreme Court has been asking States to produce quantifiable data to justify their levels of reservation.

**S27. Ans.(e)****Sol.** Option (e)- CEDAB is the correct sequence for the given question.

"Discontent over the new farm laws is a result of sidestepping debate and discussion in Parliament"

**S28. Ans.(c)****Sol.** Option (c)- EDCAB is the correct sequence for the given question.

"It is crucial to define the outcomes we are expecting from population-level vaccination plans for COVID-19"

**S29. Ans.(e)****Sol.** Option (e)- ABCED is the correct sequence for the given question.

WHO must work alongside China in quickly uncovering the origins of the virus.

**S30. Ans.(a)****Sol.** DEABC is the correct sequence for the given question.

Only information bearing a nexus to public activity should be available to the public

**S31. Ans.(a)****Sol.** Let speed of train B be  $s$  km/hr

ATQ -

$$20(36 + s) \times \frac{5}{18} = 600$$

$$3600 + 100s = 10800$$

$$100s = 7200$$

$$s = 72 \text{ km/hr}$$

**S32. Ans.(b)****Sol.** Profit ratio of A to B =  $(X \times 4 + 2X \times 8) : (2X \times 8) = 20X : 16x = 5 : 4$ 

So, profit of A =  $13950 \times \frac{5}{9} = 7750$  Rs.

**S33. Ans.(e)****Sol.** Let amount invested by man =  $10x$  Rs.

$$\text{Equivalent CI for two years at the rate of } 20\% \text{ p.a.} = 20 + 20 + \frac{20 \times 20}{100} = 44\%$$

$$\text{Equivalent CI for two years at the rate of } 20\% \text{ p.a.} = 10 + 10 + \frac{10 \times 10}{100} = 21\%$$

ATQ

$$10x \times \frac{2}{5} \times \frac{44}{100} + 10x \times \frac{3}{5} \times \frac{21}{100} = 1208$$

$$\frac{176x}{100} + \frac{126x}{100} = 1208 \Rightarrow x = 400 \text{ Rs.}$$

Required amount = 4000 Rs.

**S34. Ans.(a)****Sol.** ATQ –

$$2(l + 18) = 84$$

$$2l = 48$$

$$l = 24 \text{ meters}$$

So, measurement of side of square =  $72 - 24 = 48$  meters**S35. Ans.(e)****Sol.** Ratio of efficiency of A, B & C = 3 : 2 : 4So, let total work =  $(3x + 2x + 4x) \times 8 = 72x$  unit

$$\text{Required days} = 72x \times \frac{3}{4} \times \frac{1}{3x} = 18 \text{ days}$$

**S36. Ans.(d)**

**Sol. I.**  $2x^2 - 2x - x + 1 = 0$

$$2x(x - 1) - 1(x - 1)$$

$$x = \frac{1}{2}, 1$$

**II.**  $2y^2 - 2y - 3y + 3 = 0$

$$2y(y - 1) - 3(y - 1) = 0$$

$$y = \frac{3}{2}, 1$$

$$x \leq y$$

**S37. Ans.(b)**

**Sol. I.**  $x^2 + 10x + 11x + 110 = 0$

$$x(x + 10) + 11(x + 10) = 0$$

$$x = -10, -11$$

**II.**  $y^2 + 9y + 8y + 72 = 0$

$$y(y + 9) + 8(y + 9)$$

$$y = -9, -8$$

$$x < y$$

**S38. Ans.(d)**

**Sol. I.**  $x = \pm 2$

**II.**  $y^2 - 2y - 4y + 8 = 0$

$$y(y - 2) - 4(y - 2) = 0$$

$$y = 2, 4$$

$$x \leq y$$

**S39. Ans.(e)**

**Sol. I.**  $x^2 + 9x - 22 = 0$

$$\Rightarrow x^2 + 11x - 2x - 22 = 0$$

$$\Rightarrow (x + 11)(x - 2) = 0$$

$$\Rightarrow x = -11, 2$$

**II.**  $2y^2 - 7y + 6 = 0$

$$\Rightarrow 2y^2 - 4y - 3y + 6 = 0$$

$$\Rightarrow 2y(y - 2) - 3(y - 2) = 0$$

$$\Rightarrow (y - 2)(2y - 3) = 0$$

$$\Rightarrow y = 2, \frac{3}{2}$$

No relation



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**S40. Ans.(e)**

**Sol. I.**  $6x^2 + 5x + 1 = 0$

$6x^2 + 3x + 2x + 1 = 0$

$3x(2x + 1) + 1(2x + 1) = 0$

$x = -\frac{1}{2} \text{ or } -\frac{1}{3}$

**II.**  $15y^2 + 11y + 2 = 0$

$15y^2 + 6y + 5y + 2 = 0$

$3y(5y + 2) + 1(5y + 2) = 0$

$\therefore y = \frac{2}{5} \text{ or } -\frac{1}{3}$

$\therefore$  no relation can be established

**S41. Ans.(b)**

**Sol.** Required population =  $15000 \times 0.9 \times 1.2$   
 $= 16200$

**S42. Ans.(b)****Sol.** Let the CP of shirt be Rs.  $100x$ Then MP = Rs.  $150x$ 

$SP = 150x \times \frac{8}{9} \times \frac{9}{10} = \text{Rs. } 120x$

Profit = Rs.  $20x$ Discount given = Rs.  $30x$ 

ATQ,

$10x = 200$

$\Rightarrow x = 20$

MP = Rs  $3000$ **S43. Ans.(b)****Sol.** Let the speed of boat in still water be  $x$  km/hr and that of stream be  $y$  km/hr.

ATQ

$(x + y) - (x - y) = 5$

$\Rightarrow y = 2.5 \text{ km/hr}$

$x = 2.5 \times \frac{19}{5} = 9.5 \text{ km/hr}$

Required time =  $\frac{42}{(9.5+2.5)} + \frac{31.5}{(9.5-2.5)} = 8 \text{ hr}$

**S44. Ans.(a)****Sol.** Let initial quantity of liquid P and Q in container be  $5x$  &  $3x$  respectively

So,

$\frac{5x - \frac{5}{8} \times 16}{8x} = \frac{1}{2}$

$5x - 10 = 4x$

$x = 10$

Initial quantity of mixture =  $(5 + 3) \times 10 = 80$  liter

**S45. Ans.(b)**

**Sol.** Let present age of B be  $5x$  years.

So, present age of A =  $5x \times \frac{8}{5} = 8x$  years

Now, present age of C =  $35 \times 2 - 5x = (70 - 5x)$  years

ATQ,

$$(8x - 5) + (5x - 5) = 55$$

$$x = 5$$

$$\text{Required difference} = (70 - 5x) - 8x = 5 \text{ years}$$

**S46. Ans.(a)**

**Sol.** Required percentage =  $\frac{40-32}{40} \times 100 = 20\%$

**S47. Ans.(c)**

**Sol.** Required sum =  $(28 + 12) + (38 + 15) = 93$

**S48. Ans.(a)**

**Sol.** Required average =  $\frac{50+32+38}{3} = 40$

**S49. Ans.(b)**

**Sol.** Let total videos shared by E =  $x$

So, total photos shared by E =  $(x + 4)$

ATQ -

$$x + x + 4 = 44$$

$$2x = 40$$

$$x = 20$$

**S50. Ans.(a)**

**Sol.** Total photos shared by B =  $28 \times \frac{5}{14} = 10$

**S51. Ans.(d)**

**Sol.**  $(? \div 5 \div 7) \times 14 = 308$

$$? = 22 \times 35$$

$$? = 770$$

**S52. Ans.(b)**

**Sol.**  $?^3 + 144 = 360$

$$?^3 = 216$$

$$? = 6$$

**S53. Ans.(b)**

**Sol.**  $\frac{128}{2} + \frac{4}{2} \times 4 = ? + 10$

$$64 + 8 = ? + 10$$

$$? = 62$$



**S54. Ans.(c)**

$$\text{Sol. } \frac{11}{11} + 9 + ? = 27$$

$$1 + 9 + ? = 27$$

$$? = 17$$

**S55. Ans.(b)**

$$\text{Sol. } 196 + 179 + 25 = (?)^2$$

$$(?)^2 = 400$$

$$? = 20$$

**S56. Ans.(e)**

$$\text{Sol. } 28.5 \times 34 + 2320 \div 8 = (36)^2 - ?$$

$$969 + 290 = 1296 - ?$$

$$1259 = 1296 - ?$$

$$? = 1296 - 1259 = 37$$

**S57. Ans.(d)**

$$\text{Sol. } ? = 47 \times 27 + 15600 \div 8 + 181$$

$$= 1269 + 1950 + 181$$

$$= 3400$$

**S58. Ans.(c)**

$$\text{Sol. } ? = 112.5 \times 5 + 4560 \div 6 - 175 \times 7$$

$$= 562.5 + 760 - 1225$$

$$= 1322.5 - 1225$$

$$= 97.5$$



**S59. Ans.(c)**

$$\text{Sol. } 80\% \text{ of } ? = \sqrt{250 \times 44 + \frac{40 \times 8500}{100}}$$

$$\Rightarrow \frac{80}{100} \times ? = \sqrt{11000 + 3400}$$

$$\Rightarrow ? = \sqrt{14400} \times \frac{10}{8}$$

$$\Rightarrow ? = 120 \times \frac{10}{8} = 150$$

**S60. Ans.(a)**

$$\text{Sol. } ? \times \frac{40}{24} \times 27 = \frac{594}{115} \times \frac{2300}{264}$$

$$\Rightarrow ? \times 45 = 45$$

$$\Rightarrow ? = 1$$

**S61. Ans.(b)**

$$\text{Sol. } ? + 13 \times 50 = 420 + \frac{45}{100} \times 800 + 220$$

$$\Rightarrow ? + 650 = 420 + 360 + 220$$

$$\Rightarrow ? = 1000 - 650 = 350$$



**S62. Ans.(d)**

**Sol.**

$$\frac{12}{100} \times ? + \frac{1}{8} \times 960 = 192$$

$$\frac{12}{100} \times ? = 192 - 120$$

$$\frac{12}{100} \times ? = 72$$

$$? = 600$$

**S63. Ans.(e)**

**Sol.**

$$15 \times ? + \frac{20}{100} \times 450 = 360$$

$$15 \times ? = 360 - 90$$

$$15 \times ? = 270$$

$$? = 18$$

**S64. Ans.(a)**

**Sol.**

$$\frac{3}{4} \times \frac{3}{4} \times \frac{8}{9} \times 1800 = ? + 600$$

$$? = 900 - 600$$

$$? = 300$$

**S65. Ans.(e)**

**Sol.**

$$\frac{?}{100} \times 900 + 500 = 788$$

$$? = \frac{288 \times 100}{900}$$

$$? = 32$$



**Solutions (66-70):**

Boxes
S
P
U
R
Q
T
V
W

**S66. Ans.(e)**

**S67. Ans.(c)**

**S68. Ans.(a)**

**S69. Ans.(b)**

**S70. Ans.(d)**



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S71. Ans.(a)

Sol.

**B A C K G R O U N D**  
**A B B J F Q P V M C**

Solutions (72-76):

A > E > F > C > B > D  
34            27    17

S72. Ans.(a)

S73. Ans.(b)

S74. Ans.(d)

S75. Ans.(d)

S76. Ans.(b)

S77. Ans.(a)

Sol. I. E < F (True)    II. Q ≥ T (False)

S78. Ans.(c)

Sol. I. T < G (False)    II. C = G (False)

S79. Ans.(b)

Sol. I. K > T (False)    II. R > F (True)

S80. Ans.(e)

Sol. I. C > G (True)    II. K < D (True)



S81. Ans.(d)

Sol.

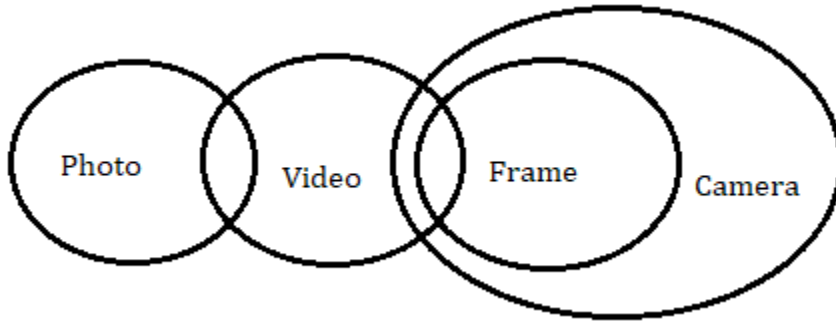
8 4 3 | 5 7 6 | 5 2 9 |  
2 3 4 | 5 5 6 | 7 8 9 |

Solutions (82-86):

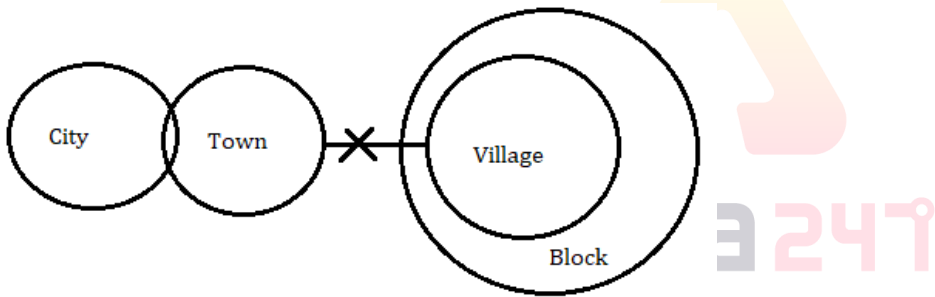
Years	Month	Date	Persons
1956	December	14	D
		23	H
1957		14	C
		23	A
1958		14	E
		23	G
1959		14	B
		23	F

- S82. Ans.(c)  
 S83. Ans.(b)  
 S84. Ans.(a)  
 S85. Ans.(e)  
 S86. Ans.(c)

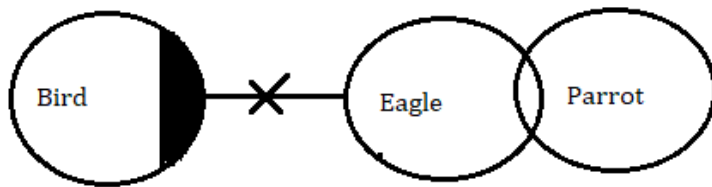
S87. Ans.(c)  
 Sol.



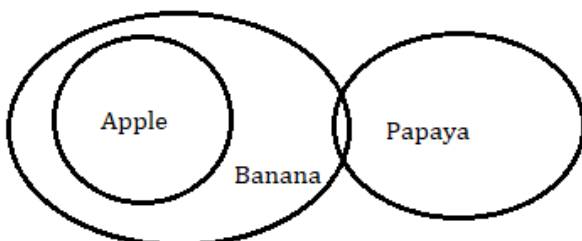
S88. Ans.(e)  
 Sol.



S89. Ans.(b)  
 Sol.



S90. Ans.(d)  
 Sol.



**Solutions (91-95):**

<b>Persons</b>
M
E
F
O
D
G
P
S

**S91. Ans.(e)**

**S92. Ans.(d)**

**S93. Ans.(d)**

**S94. Ans.(b)**

**S95. Ans.(b)**

**S96. Ans.(c)**

**Sol.**

CHRISTMAS  
U

**S97. Ans.(b)**

**Sol. "7 2"**

**S98. Ans.(c)**

**Sol. "2"**

**S99. Ans.(b)**

**Sol. "5"**

**S100. Ans.(b)**

**Sol. "1 4"**



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