## All India MAHA Mock: RBI Assistant Prelims - (Solutions)

## S1. Ans.(e)

Sol. P have exam on $7^{\text {th }}$ of the month having 31 days. Three persons have exams between P and M who doesn't have exam in October. $Q$ have exam just before $R$, but both doesn't have exam in same month. Here, we have three possibilities i.e. Case 1, Case 2 and Case 3.

| Date/Month | Case <br> 1 | Case <br> 2 | Case 3 |
| :---: | :---: | :---: | :---: |
| $7^{\text {th }}$ July | P |  | P |
| $2^{\text {th }}$ July | Q |  |  |
| $7^{\text {th }}$ August | R | M |  |
| $26^{\text {th }}$ August |  | Q |  |
| $7^{\text {th }}$ September | M | R | M |
| $26^{\text {th }}$ September |  |  | Q |
| $7^{\text {th }}$ October |  | P | R |
| $26^{\text {th }}$ October |  |  |  |

N have exam before L and after J. S have exam before P and after N. Here, Case 1 and Case 3 is ruled out. So, the final arrangement will be: -

| Date/Month | Persons |
| :---: | :---: |
| $7^{\text {th }}$ July | J |
| $26^{\text {th }}$ July | N |
| $7^{\text {th }}$ August | M |
| $26^{\text {th }}$ August | Q |
| $7^{\text {th }}$ September | R |
| $26^{\text {th }}$ September | S |
| $7^{\text {th }}$ October | P |
| $26^{\text {th }}$ October | L |

## S2. Ans.(a)

Sol. P have exam on $7^{\text {th }}$ of the month having 31 days. Three persons have exams between P and M who doesn't have exam in October. Q have exam just before R, but both doesn't have exam in same month. Here, we have three possibilities i.e. Case 1, Case 2 and Case 3.

| Date/Month | Case <br> 1 | Case <br> 2 | Case 3 |
| :---: | :---: | :---: | :---: |
| $7^{\text {th }}$ July | P |  | P |
| $2^{\text {th }}$ July | Q |  |  |
| $7^{\text {th }}$ August | R | M |  |
| $2^{\text {th }}$ August |  | Q |  |
| $7^{\text {th }}$ September | M | R | M |
| $26^{\text {th }}$ September |  |  | Q |
| $7^{\text {th }}$ October |  | P | R |
| $26^{\text {th }}$ October |  |  |  |

TEST SERIES Bilingual

## RBI ASSISTANT PRE + MAINS

So, the final arrangement will be: -

| Date/Month | Persons |
| :---: | :---: |
| $7^{\text {th }}$ July | J |
| $26^{\text {th }}$ July | N |
| $7^{\text {th }}$ August | M |
| $26^{\text {th }}$ August | Q |
| $7^{\text {th }}$ September | R |
| $26^{\text {th }}$ September | S |
| $7^{\text {th }}$ October | P |
| $26^{\text {th }}$ October | L |

## S3. Ans.(a)

Sol. P have exam on $7^{\text {th }}$ of the month having 31 days. Three persons have exams between P and M who doesn't have exam in October. $Q$ have exam just before $R$, but both doesn't have exam in same month. Here, we have three possibilities i.e. Case 1, Case 2 and Case 3.

| Date/Month | Case <br> 1 | Case <br> 2 | Case 3 |
| :---: | :---: | :---: | :---: |
| $7^{\text {th }}$ July | P |  | P |
| ${26^{\text {th }} \text { July }}^{\text {Q }}$ | Q |  |  |
| $7^{\text {th }}$ August | R | M |  |
| $26^{\text {th }}$ August |  | Q |  |
| $7^{\text {th }}$ September | M | R | M |
| $26^{\text {th }}$ September |  |  | Q |
| $7^{\text {th }}$ October |  | P | R |
| $26^{\text {th }}$ October |  |  |  |

N have exam before $L$ and after J. S have exam before $P$ and after $N$. Here, Case 1 and Case 3 is ruled out. So, the final arrangement will be: -

| Date/Month | Persons |
| :---: | :---: |
| $7^{\text {th }}$ July | J |
| $2^{\text {th }}$ July | N |
| $7^{\text {th }}$ August | M |
| $26^{\text {th }}$ August | Q |
| $7^{\text {th }}$ September | R |
| $26^{\text {th }}$ September | S |
| $7^{\text {th }}$ October | P |
| $26^{\text {th }}$ October | L |

## S4. Ans.(c)

Sol. P have exam on $7^{\text {th }}$ of the month having 31 days. Three persons have exams between P and M who doesn't have exam in October. Q have exam just before $R$, but both doesn't have exam in same month. Here, we have three possibilities i.e. Case 1, Case 2 and Case 3.

| Date/Month | Case <br> 1 | Case <br> 2 | Case 3 |
| :---: | :---: | :---: | :---: |
| $7^{\text {th }}$ July | P |  | P |
| $26^{\text {th }}$ July | Q |  |  |
| $7^{\text {th }}$ August | R | M |  |
| $26^{\text {th }}$ August |  | Q |  |
| $7^{\text {th }}$ September | M | R | M |
| $26^{\text {th }}$ September |  |  | Q |
| $7^{\text {th }}$ October |  | P | R |
| $26^{\text {th }}$ October |  |  |  |

N have exam before L and after J. S have exam before P and after N. Here, Case 1 and Case 3 is ruled out.
So, the final arrangement will be: -

| Date/Month | Persons |
| :---: | :---: |
| $7^{\text {th }}$ July | J |
| $26^{\text {th }}$ July | N |
| $7^{\text {th }}$ August | M |
| $26^{\text {th }}$ August | Q |
| $7^{\text {th }}$ September | R |
| $26^{\text {th }}$ September | S |
| $7^{\text {th }}$ October | P |
| $26^{\text {th }}$ October | L |

## S5. Ans. (b)

Sol. P have exam on $7^{\text {th }}$ of the month having 31 days. Three persons have exams between P and M who doesn't have exam in October. $Q$ have exam just before $R$, but both doesn't have exam in same month.
Here, we have three possibilities i.e. Case 1, Case 2 and Case 3.

| Date/Month | Case <br> 1 | Case <br> 2 | Case 3 |
| :---: | :---: | :---: | :---: |
| $7^{\text {th }}$ July | P |  | P |
| $26^{\text {th }}$ July | Q |  |  |
| $7^{\text {th }}$ August | R | M |  |
| $26^{\text {th }}$ August |  | Q |  |
| $7^{\text {th }}$ September | M | R | M |
| $26^{\text {th }}$ September |  |  | Q |
| $7^{\text {th }}$ October |  | P | R |
| $26^{\text {th }}$ October |  |  |  |

N have exam before L and after J. S have exam before P and after N. Here, Case 1 and Case 3 is ruled out. So, the final arrangement will be: -

| Date/Month | Persons |
| :---: | :---: |
| $7^{\text {th }}$ July | J |
| $26^{\text {th }}$ July | N |
| $7^{\text {th }}$ August | M |
| $26^{\text {th }}$ August | Q |
| $7^{\text {th }}$ September | R |
| $26^{\text {th }}$ September | S |
| $7^{\text {th }}$ October | P |
| $26^{\text {th }}$ October | L |

## S6. Ans.(d)

Sol.

## S7. Ans.(c)

## Sol.

Word: PRESENTATION
Next alphabets: QSFTFOUBUJPO
Alphabetical order: BFFJOOPQSTUU

## S8. Ans.(b)

Sol. A5 \&

## S9. Ans. (b)

Sol. @ is $11^{\text {th }}$ from right end of the series

## S10. Ans.(b)

Sol. M is $13^{\text {th }}$ from left end of the series.

## S11. Ans.(d)

Sol. 5\&H, 2@M, 6\$J

## S12. Ans.(b)

Sol. Only one element i.e. 3 is between the $5^{\text {th }}$ number from the right end and $3^{\text {rd }}$ symbol from the left end of the series.

## S13. Ans.(c)

Sol.


S14. Ans.(d)
Sol.


D

## S15. Ans.(b)

Sol. It is given that B sits immediate left of the one who sits opposite to A. One person sits between B and E. Here we have two possible cases case1 and case2. C is not an immediate neighbor of $A$ and $B$. F sits third to the right of $D$ who sits immediate right to C .


H does not sit opposite to E and not an immediate neighbor of G. Here our case1 get ruled out. Final arrangement will be.


S16. Ans. (d)
Sol. It is given that B sits immediate left of the one who sits opposite to A. One person sits between B and E. Here we have two possible cases case 1 and case 2 . $C$ is not an immediate neighbor of $A$ and $B$. $F$ sits third to the right of $D$ who sits immediate right to $C$.


H does not sit opposite to E and not an immediate neighbor of G. Here our case1 get ruled out. Final arrangement will be.


## S17. Ans.(c)

Sol. It is given that B sits immediate left of the one who sits opposite to A. One person sits between B and E. Here we have two possible cases case1 and case2. C is not an immediate neighbor of A and B. F sits third to the right of D who sits immediate right to C .


H does not sit opposite to E and not an immediate neighbor of G. Here our case1 get ruled out. Final arrangement will be.


S18. Ans.(d)
Sol. It is given that B sits immediate left of the one who sits opposite to A. One person sits between B and E. Here we have two possible cases case1 and case2. C is not an immediate neighbor of A and B. F sits third to the right of D who sits immediate right to C .


H does not sit opposite to E and not an immediate neighbor of G. Here our case1 get ruled out. Final arrangement will be.


S19. Ans.(c)
Sol. It is given that B sits immediate left of the one who sits opposite to A. One person sits between B and E. Here we have two possible cases case1 and case2. C is not an immediate neighbor of A and B. F sits third to the right of $D$ who sits immediate right to $C$.


H does not sit opposite to E and not an immediate neighbor of G. Here our case1 get ruled out. Final arrangement will be.


## S20. Ans.(d)

Sol. It is given that More than four boxes are placed between J and K which is placed below J . N is placed below K. Here we have three possible cases. One box is placed between $N$ and Q . There are as many boxes are placed above $S$ as below Q .

| Case1 | Case2 | Case3 |
| :---: | :---: | :---: |
| Boxes | Boxes | Boxes |
| J | J |  |
|  |  | J |
|  | S | S |
| S |  |  |
|  |  |  |
| Q |  |  |
| K | Q | Q |
| N | K | K |
|  | N | N |

$S$ is not placed immediate below $J$. Here case 3 get eliminated. $L$ is placed above $M$ and below $P$. $R$ is placed immediate above M. Here case1 get ruled out. Final arrangement will be.

| Boxes |
| :---: |
| J |
| P |
| S |
| L |
| R |
| M |
| Q |
| K |
| N |

## S21. Ans.(c)

Sol. It is given that More than four boxes are placed between J and K which is placed below J. N is placed below K. Here we have three possible cases. One box is placed between N and Q . There are as many boxes are placed above $S$ as below $Q$.

25 TOTAL TESTS
Validity : 12 Months

| Case1 | Case2 | Case3 |
| :---: | :---: | :---: |
| Boxes | Boxes | Boxes |
| J | J |  |
|  |  | J |
|  | S | S |
| S |  |  |
|  |  |  |
| Q |  |  |
| K | Q | Q |
| N | K | K |
|  | N | N |

$S$ is not placed immediate below J. Here case3 get eliminated. $L$ is placed above $M$ and below $P$. $R$ is placed immediate above M. Here case1 get ruled out. Final arrangement will be.

| Boxes |
| :---: |
| J |
| P |
| S |
| L |
| R |
| M |
| Q |
| K |
| N |

## S22. Ans.(b)

Sol. It is given that More than four boxes are placed between J and K which is placed below J. N is placed below K. Here we have three possible cases. One box is placed between N and Q . There are as many boxes are placed above $S$ as below Q .

| Case1 | Case2 | Case3 |
| :---: | :---: | :---: |
| Boxes | Boxes | Boxes |
| J | J |  |
|  |  | J |
|  | S | S |
| S |  |  |
|  |  |  |
| Q |  |  |
| K | Q | Q |
| N | K | K |
|  | N | N |

$S$ is not placed immediate below J. Here case 3 get eliminated. $L$ is placed above $M$ and below $P$. $R$ is placed immediate above M. Here case1 get ruled out. Final arrangement will be.

| Boxes |
| :---: |
| J |
| P |
| S |
| L |
| R |
| M |
| Q |
| K |
| N |

## S23. Ans.(a)

Sol. It is given that More than four boxes are placed between J and K which is placed below J. N is placed below K. Here we have three possible cases. One box is placed between $N$ and $Q$. There are as many boxes are placed above S as below Q .

| Case1 | Case2 | Case3 |
| :---: | :---: | :---: |
| Boxes | Boxes | Boxes |
| J | J |  |
|  |  | J |
|  | S | S |
| S |  |  |
|  |  |  |
| Q |  |  |
| K | Q | Q |
| N | K | K |
|  | N | N |

S is not placed immediate below J. Here case3 get eliminated. L is placed above M and below P . R is placed immediate above M. Here case1 get ruled out. Final arrangement will be.

| Boxes |
| :---: |
| J |
| P |
| S |
| L |
| R |
| M |
| Q |
| K |
| N |

## S24. Ans.(d)

Sol. It is given that More than four boxes are placed between J and K which is placed below $\mathrm{J} . \mathrm{N}$ is placed below K. Here we have three possible cases. One box is placed between $N$ and Q . There are as many boxes are placed above $S$ as below Q .

| Case1 | Case2 | Case3 |
| :---: | :---: | :---: |
| Boxes | Boxes | Boxes |
| J | J |  |
|  |  | J |
|  | S | S |
| S |  |  |
|  |  |  |
| Q |  |  |
| K | Q | Q |
| N | K | K |
|  | N | N |

$S$ is not placed immediate below J. Here case3 get eliminated. $L$ is placed above $M$ and below $P$. $R$ is placed immediate above M. Here case1 get ruled out. Final arrangement will be.

| Boxes |
| :---: |
| J |
| P |
| S |
| L |
| R |
| M |
| Q |
| K |
| N |

## S25. Ans.(c)

Sol. It is given that A lives on Even number Floor below Floor number six. Three persons lives between A and D. Here we have two possible cases. Case1 and case2. Persons live above B is one less than the persons live below $G$. B lives above $A$. Two person lives between $G$ and $E$.

| Floor | Case1 | Case2 |
| :---: | :---: | :---: |
| 8 | D |  |
| 7 | B | G |
| 6 | E | D |
| 5 |  |  |
| 4 | A | E |
| 3 | $G$ | B |
| 2 |  | $A$ |
| 1 |  |  |

C lives immediately above $H$. Here case 2 get ruled out. Final arrangement will be.

| Floor | Person |
| :---: | :---: |
| 8 | D |
| 7 | B |
| 6 | E |
| 5 | F |
| 4 | A |
| 3 | G |
| 2 | C |
| 1 | H |

## S26. Ans.(b)

Sol. It is given that A lives on Even number Floor below Floor number six. Three persons lives between A and D. Here we have two possible cases. Case1 and case2. Persons live above B is one less than the persons live below $G$. B lives above $A$. Two person lives between $G$ and $E$.

| Floor | Case1 | Case2 |
| :---: | :---: | :---: |
| 8 | D |  |
| 7 | B | G |
| 6 | E | D |
| 5 |  |  |
| 4 | A | E |
| 3 | G | B |
| 2 |  | A |
| 1 |  |  |

C lives immediately above $H$. Here case 2 get ruled out. Final arrangement will be.

| Floor | Person |
| :---: | :---: |
| 8 | D |
| 7 | B |
| 6 | E |
| 5 | F |
| 4 | A |
| 3 | G |
| 2 | C |
| 1 | H |

## TEST SERIES

## S27. Ans.(e)

Sol. It is given that A lives on Even number Floor below Floor number six. Three persons lives between A and D. Here we have two possible cases. Case1 and case2. Persons live above B is one less than the persons live below $G$. B lives above A. Two person lives between $G$ and $E$.

| Floor | Case1 | Case2 |
| :---: | :---: | :---: |
| 8 | D |  |
| 7 | B | G |
| 6 | E | D |
| 5 |  |  |
| 4 | $A$ | E |
| 3 | $G$ | B |
| 2 |  | $A$ |
| 1 |  |  |

C lives immediately above H. Here case2 get ruled out. Final arrangement will be.

| Floor | Person |
| :---: | :---: |
| 8 | D |
| 7 | B |
| 6 | E |
| 5 | F |
| 4 | A |
| 3 | $G$ |
| 2 | $C$ |
| 1 | $H$ |

## S28. Ans.(d)

Sol. It is given that A lives on Even number Floor below Floor number six. Three persons lives between A and D. Here we have two possible cases. Case1 and case2. Persons live above B is one less than the persons live below $G$. B lives above $A$. Two person lives between $G$ and $E$.

| Floor | Case1 | Case2 |
| :---: | :---: | :---: |
| 8 | D |  |
| 7 | B | G |
| 6 | E | D |
| 5 |  |  |
| 4 | $A$ | E |
| 3 | $G$ | B |
| 2 |  | $A$ |
| 1 |  |  |

C lives immediately above $H$. Here case 2 get ruled out. Final arrangement will be.

| Floor | Person |
| :---: | :---: |
| 8 | D |
| 7 | B |
| 6 | E |
| 5 | F |
| 4 | A |
| 3 | $G$ |
| 2 | $C$ |
| 1 | $H$ |

## S29. Ans.(a)

Sol. It is given that A lives on Even number Floor below Floor number six. Three persons lives between A and D. Here we have two possible cases. Case1 and case2. Persons live above B is one less than the persons live below $G$. B lives above $A$. Two person lives between $G$ and $E$.

| Floor | Case1 | Case2 |
| :---: | :---: | :---: |
| 8 | D |  |
| 7 | B | G |
| 6 | E | D |
| 5 |  |  |
| 4 | A | E |
| 3 | G | B |
| 2 |  | A |
| 1 |  |  |

C lives immediately above $H$. Here case 2 get ruled out. Final arrangement will be.

| Floor | Person |
| :---: | :---: |
| 8 | D |
| 7 | B |
| 6 | E |
| 5 | F |
| 4 | A |
| 3 | $G$ |
| 2 | $C$ |
| 1 | H |

## S30. Ans.(e)

Sol.


## S31. Ans.(b)

Sol.


## S32. Ans.(a)

Sol.


## S33. Ans.(a)

Sol. I: $\mathrm{H} \geq \mathrm{P}$ (True) II: $\mathrm{R} \leq \mathrm{Q}$ (False)


S34. Ans.(d)
Sol. I: N $\leq$ D (False) II: C $\geq$ S (False)

S35. Ans. (d)
Sol. I: D $\geq$ L (False) II: H $\leq P$ (False)

## S36. Ans.(b)

Sol.
Required average $=\frac{280+310+400}{3}=\frac{990}{3}=330$

S37. Ans.(e)
Sol.
Required difference $=(520+280)-(280+480)$
$=40$

## S38. Ans.(d)

## Sol.

Required difference $=\{(600 \times 180+400 \times 75)+(480 \times 180+480 \times 75)\}-\{(520 \times 180+$ $280 \times 75)+(280 \times 180+420 \times 75)\}$
$=(1,38,000+1,22,400)-(1,14,600+81900)$
$=$ Rs. 63900

## S39. Ans.(c)

## Sol.

Total number of cheese burst pizza sold by D \& E together
$=\frac{600 \times 3}{8}+480 \times \frac{75}{100}$
$=225+360=585$

## S40. Ans.(a)

## Sol.

Average of pizza sold in that week
$=\frac{520+280+590+600+480}{5}$
$=494$
Required $\%=\frac{494-400}{400} \times 100=23.5 \%$

## S41. Ans.(d)

## Sol.

I. $x^{2}-5 x+6=0$
$\Rightarrow x^{2}-2 x-3 x+6=0$
$\Rightarrow(x-2)(x-3)=0$
$\Rightarrow x=2,3$
II. $y^{2}=4$
$\Rightarrow y=2,-2$
i.e. $x \geq y$

## S42. Ans.(b)

Sol.
I. $2 x^{2}+9 x+10=0$
$\Rightarrow x(2 x+5)+2(2 x+5)=0$
$\Rightarrow(x+2)(2 x+5)=0$
$\Rightarrow x=-2,-\frac{5}{2}$
II. $y^{2}+8 y+16=0$
$\Rightarrow y^{2}+4 y+4 y+16=0$
$\Rightarrow y(y+4)+4(y+4)=0$
$\Rightarrow(y+4)(y+4)=0$
$\Rightarrow y=-4$
$\therefore x>y$

## S43. Ans.(b)

Sol.
I. $3 x-2 y=7$
II. $2 x+3 y=22$

On solving (i) \& (ii):
$\mathrm{x}=5, \mathrm{y}=4$
$\therefore x>y$

## S44. Ans.(d)

Sol.
I. $x^{2}-8 x+15=0$
$\Rightarrow x^{2}-5 x-3 x+15=0$
$\Rightarrow x(x-5)-3(x-5)=0$
$\Rightarrow(x-3)(x-5)=0$
$\Rightarrow x=3,5$
II. $y^{2}-y-6=0$
$\Rightarrow y^{2}-3 y+2 y-6=0$
$\Rightarrow y(y-3)+2(y-3)=0$
$\Rightarrow(y+2)(y-3)=0$
$\Rightarrow y=-2,3$
$\therefore x \geq y$

## S45. Ans.(c)

Sol.
I. $x^{2}=49 \Rightarrow x= \pm 7$
II. $y^{3}=343 \Rightarrow y=7$
$\therefore y \geq x$

## S46. Ans.(b)

## Sol.

Let income of A be Rs. 100x
Saving of $A=100 \mathrm{x} \times \frac{1}{5}=$ Rs. 20 x
His new expenditure on clothes $=$ Rs. 27.5 x
Required \% $=\frac{27.5 x}{20 x} \times 100=137.5 \%$


S47. Ans.(c)
Sol.
Let the number of girls be $x$
Then number of boys $=(x+36)$
ATQ,
$\frac{x+22}{(x+36)+6}=\frac{7}{9}$
$\Rightarrow \mathrm{x}=48$
Total number of students in the class originally
$=48+(48+36)=132$

## S48. Ans.(a)

## Sol.

Let the present age of $A$ \& that of $C$ be $3 x$ \& $4 x$ years respectively.
Let the present age of $B$ be $y$ years.
ATQ,
$\frac{y+4 x}{2}=3 x+4$
$\Rightarrow \mathrm{y}-2 \mathrm{x}=8$
And, $3 x-y=8$
From (i) \& (ii), we have
$x=16 \& y=40$
Required sum $=7 \times 16+40=152$ years.

## S49. Ans.(e)

## Sol.

Profit share ratio of Deepak \& Ayush.
Deepak Ayush

$$
\begin{array}{cl}
(x \times 6)+(x+2000) \times 6 & :(x+5000) \times 12 \\
(12 x+12000) & :(12 x+60000) \\
(x+1000) & :(x+5000)
\end{array}
$$

ATQ,
$\frac{x+1000}{x+5000}=\frac{4}{5} \Rightarrow x=15000$
Required amount $=x+(x+5000)$
$=R s 35000$

## S50. Ans.(b)

## Sol.

Side of first square $=55 \mathrm{~cm}$
Area of first square $=3025 \mathrm{~cm}^{2}$
Side of second square $=45 \mathrm{~cm}$
Area of the second square $=2025 \mathrm{~cm}^{2}$
Area of the new square $=1000 \mathrm{~cm}^{2}$
Side of the new square $=10 \sqrt{10} \mathrm{~cm}$
Perimeter of the new square $=40 \sqrt{10} \mathrm{~cm}$

## S51. Ans.(a)

Sol.
$\sqrt{360-550+479}+13=$ ?
$?=30$

## S52. Ans.(a)

Sol.

$$
?^{3}=8+19=3^{3}
$$

? $=3$

## S53. Ans.(d)

Sol. ? = 270-89=181

## S54. Ans.(b)

Sol.
$?=\left(\frac{9}{2}+\frac{19}{12}-\frac{17}{6}\right)$
$?=\frac{13}{4}$

## S55. Ans.(c)

Sol. ? $=36+112=148$

S56. Ans.(d)
Sol.
$\sqrt{?}=\frac{2430}{45}$
$\sqrt{?}=54$
$\Rightarrow$ ? $=2916$
S57. Ans. (b)
Sol.
$(?)^{2}=1040-784$
? $=16$

## S58. Ans.(e)

Sol. ? $=44+24-15=53$

## S59. Ans.(b)

Sol. ? = 22.35

S60. Ans.(d)
Sol. ? $=58+612$
$=670$

S61. Ans.(d)
Sol.
Let the amount lent at 6\% per annum be
Rs x and sum lent at $7.5 \%=$ Rs $(1500-\mathrm{x})$
$\frac{x \times 6 \times 1}{100}+\frac{(1500-x) \times 7.5 \times 1}{100}=102$
$6 x+11250-7.5 x=10200$
$\mathrm{x}=700$
Money lent at $7.5 \%=$ Rs 800
Required interest $=\frac{1600 \times 8 \times 1.5}{100}=R s 192$

## S62. Ans.(b)

## Sol.

Let the speed of boat in upstream be $4 \mathrm{xkm} / \mathrm{hr}$
Then the speed of stream $=x \mathrm{~km} / \mathrm{hr}$
ATQ
$\frac{54}{6 x}+\frac{30}{5 x}=7.5$
$x=2$
Speed of boat in still water $=5 x=10 \mathrm{~km} / \mathrm{hr}$

## S63. Ans.(c)

Sol.
Let cost price of $A$ be Rs $x$ then the cost price of $B=R s(x+150)$
ATQ
$(x+150) \times 1.3 \times 0.7-x \times 1.4 \times 0.8 \times 0.9=63$
$0.91 x-1.008 x=-73.5$
$x=750$
Required sum $=2 x+150=$ Rs 1650

S64. Ans.(a)
Sol.
Let the capacity of the tank be 120 liters (LCM of 10, 40 and 30)
Efficiency of pipe $A=12 \mathrm{lit} / \mathrm{min}$
Efficiency of pipe $B=-4 \mathrm{lit} / \mathrm{min}$
Efficiency of pipe $C=-3 \mathrm{lit} / \mathrm{min}$
Required time $=22 \times 2+\frac{10}{12}=44 \frac{5}{6} \mathrm{~min}$

S65. Ans.(d)
Sol.
required number of words $=1 \times \frac{6!}{2!\times 2!}=180$

S66. Ans. (b)
Sol.


S67. Ans.(c)
Sol.


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S68. Ans.(a)
Sol.


S69. Ans.(e)
Sol.


S70. Ans.(a)
Sol.


## S71. Ans.(b)

Sol. Evidence in support of the given argument can be found in the third paragraph of the given passage in which it is stated, 'The intrusion at Kudankulam so far seems limited to the plant's business networks, but air gaps have failed at the Davis-Besse nuclear power plant in Ohio in 2003 and even classified US military systems in 2008.' From the given statement, statement in option (b) can be inferred clearly and hence the correct answer choice.

## S72. Ans.(b)

Sol. From the given options, option (b) is false and evidence in support of the given argument can be found from the second paragraph of the given passage in which it is stated that 'This laxness might be understandable if last incident were the first of its kind. Instead, there have been over 20 known cyber incidents at nuclear facilities since 1990.' From the given statement it can be clearly seen that option (b) is false.

## S73. Ans.(b)

Sol. Prompting means encourage, or remind someone to do or say something
Infusing means fill; pervade.
Engendering means cause or give rise to
Apprehending means understand or perceive.
Intriguing means arousing one's curiosity or interest
So, going through the meaning of the given words it can be clearly seen that the appropriate answer choice would be option (b)

## S74. Ans.(c)

Sol. The given passage is centred around the attack on Kundankulam nuclear power plant which poses a threat of national cyber-security. It can be clearly seen that the correct answer choice would be option (c).

## S75. Ans. (d)

Sol. Malicious means intending or intended to do harm.
From the given options, all of the given words are synonym of the given word except 'Benevolent' which means well meaning and kindly. Hence, the correct answer choice would be option (d)

## S76. Ans.(a)

Sol. From the given options, only option (ii) is being mentioned in the given passage as can be seen from the following statement, 'India has established the Global Centre for Nuclear Energy Partnership as a forum for bilateral and multilateral cooperation in nuclear security that could be widened to include cybersecurity.' There is no mention of the remaining two options in the given passage. Hence, the correct answer choice would be option (a)

## S77. Ans.(c)

Sol. Defiant means showing open resistance
Evasive means directed towards avoidance or escape
Candid means truthful and straightforward
Nasty means behaving in an unpleasant or spiteful way
As the author has stated the facts and loopholes present in the current system clearly, so the most appropriate answer choice would be 'Candid'. Hence, the correct answer choice would be option (c)

## S78. Ans.(c)

Sol. Quiet down means to become silent
Jazz up means to make something more interesting or exciting
Wake-up call means a thing that alerts people to an unsatisfactory situation and prompts them to remedy it.
Water down means to make something weaker or less offensive
Taking hint from the part of the sentence following the blank which is asking nuclear power industry to take cybersecurity seriously and going through the meaning of the given phrases, it can be clearly seen that the appropriate answer choice would be option (c).

## S79. Ans.(b)

Sol. From the given pairs, only A-F will make a sentence that is both grammatically correct as well as contextually meaningful. 'C-E' may also appear to make a meaningful sentence but the sentence thus formed will be grammatically incorrect because of the principal of subject verb agreement. Hence, the correct answer choice would be option (b).

## S80. Ans.(a)

Sol. From the given pairs, only 'C-E and B-F' are able to make sentences which are both meaningful and grammatically correct. The sentences thus formed are:
'This symposium is an opportunity for attendees to engage with colleagues from South Asia and elsewhere in collaborative exchanges' and
'Artists are producing socially relevant work which raises awareness, sustains involvement, and ignites social change.'
Hence, the correct answer choice would be option (a)

## S81. Ans.(c)

Sol. From the given pairs, only 'C-E' are able to make a sentence which is both meaningful and grammatically correct. The sentence thus formed is:
'While the Internet is certainly a main source of information and access to social media, it is so much more than that.' Hence, the correct answer choice would be option (c)

## S82. Ans.(e)

Sol. There is grammatical error in part (F). In it usage of 'do' is incorrect instead it should be 'does' to make a grammatically correct sentence. Also, remaining options fails to make a meaningful and grammatically correct sentence. Hence, the correct answer choice would be option (e)

## S83. Ans.(b)

Sol. From the given pairs, only 'A-F' is able to make a sentence which is both grammatically as well as contextually correct. The sentence thus formed is: 'The museum of DMRC at Patel Chowk station turned 11 and a host of activities were held at the venue.' Hence, the correct answer choice is option (b)

## S84. Ans.(b)

Sol. Given sentence is talking about the role of fund manager in a given situations. On the basis of the given idea the correct arrangement should be ADBC. The sentence thus formed will be: 'A fund manager may decide to do regular dividend payouts that would bring down the NAV even though the scheme may be faring pretty well.' Hence, the correct answer choice would be option (b)

## S85. Ans.(d)

Sol. Going through the given parts of the sentence we can get an idea the sentence is talking about the exchange of prisoners between different separatists groups. On the basis of the given idea the correct arrangement would be CABD. The sentence thus formed is: 'Ukraine and Russia-backed separatists in the country's war-torn east exchanged 200 prisoners, swapping detained fighters for civilians and servicemen held captive in some cases for years.' Hence, the correct answer choice would be option (d)

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## S86. Ans.(b)

Sol. Given sentence is talking about the arrest made by Saudi Arabia after a long period of time. So, on the basis of this, the correct arrangement would be ADBC. The sentence thus formed is: 'Saudi Arabia has arrested more than 200 people for violating "public decency", in the first such crackdown since the ultraconservative kingdom began easing social norms.' Hence, the correct answer choice would be option (b)

## S87. Ans.(a)

Sol. From the given arrangement, we can get an idea that the given sentence is talking about the gap between ever changing industry requirements and ability of the institutions required to meet these requirements. On the basis of the given idea, the correct arrangement would be DBCA. The sentence thus formed is: 'The world is moving so fast that institutions are not able to catch up with the ever-changing industry requirements, by the time teachers get ready to teach a subject, it gets outdated.' Hence, the correct answer choice would be option (a)

## S88. Ans.(c)

Sol. Going through the given parts, we can get an idea that the given sentence is talking about the charges on digital transactions. On the basis of the given idea the correct arrangement would be BCAD. The sentence thus formed is: 'Digital transactions made using RuPay credit cards or UPI QR codes will not attract additional charges for merchants or customers from the beginning of next year'
Hence, the correct answer choice would be option (c)

## S89. Ans.(b)

Sol. Going through the sentence it can be clearly seen that the appropriate filler for the given blank should be 'Adjective'. Based on this condition we can easily eliminate 'Magnify' and 'Inflate'. From the remaining two options, 'Abstemious' means indulging only very moderately in something, especially food and drink, which doesn't fit the blank contextually. So, only 'Exaggerated' which means regarded or represented as larger, better, or worse than in reality, will fit the given blank to make the given sentence both grammatically as well as contextually correct. Hence, the correct answer choice would be option (b)

## S90. Ans.(d)

Sol. Given sentence is talking about the usage of internet as the latest means of communication to spread lies and misinformation. From this we can clearly see that 'Internet' is being misused. So, the most appropriate filler on the basis of deduced information is 'Abused'. Hence, the correct answer choice would be option (d)

## S91. Ans.(d)

Sol. As the main idea of the given passage is 'fake news', so on the basis of this and the sentence structure, the appropriate filler for the given blank would be 'Doctoring' which means change the content or appearance of in order to deceive; falsify. Hence, the correct answer choice would be option (d)

## S92. Ans.(c)

Sol. Invocation means a request or appeal for help from someone
Atrocities means an extremely wicked or cruel act
Propaganda means information, especially of a biased or misleading nature, used to promote a political cause or point of view.
Candour means the quality of being open and honest; frankness
Going through the meaning of the given words it can be clearly seen that the appropriate filler for the given blank would be 'Propaganda'. Hence, the correct answer choice would be option (c)

## S93. Ans.(c)

Sol. Accentuated means make more noticeable or prominent.
Resurrected means revive or revitalize
Marginalised means treat as insignificant or peripheral.
Underestimating means estimate to be smaller or less important than it really is.
Going through the meaning of the given words it can be seen that the to make the given sentence contextually correct appropriate filler would be 'Marginalised' and 'Underestimating' but 'Underestimating' will make the given sentence grammatically incorrect. Hence, the correct answer choice would be option (c).

## S94. Ans.(b)

Sol. Taking idea from the theme of the given passage and the various strategies discussed in the sentence before the given sentence. It can be clearly seen that the appropriate filler for the given blank would be 'Campaigns'. Hence, the correct answer choice would be option (b)

## S95. Ans.(d)

Sol. As the starting of the sentence is talking about the reason behind such campaigns to spread fake news, it can be clearly seen that the appropriate filler for the given blank would be 'Motivations'. Hence, the correct answer choice would be option (d)
Contortions means a twisted or bent condition, state, or form
Jostle means struggle or compete forcefully for.

## S96. Ans.(d)

Sol. In the highlighted part, usage of 'could' with 'able to' is incorrect because they both denote the capacity, hence, making the sentence superfluous. Hence, the correct answer choice would be option (d)

## S97. Ans.(b)

Sol. In the highlighted phrase use of preposition 'of' is incorrect because we generally use preposition 'to' with 'with a view'. So from the given options, only (b) can be used to replace the highlighted phrase to make the given sentence grammatically correct.

S98. Ans. (d)
Sol. In the highlighted phrase use of 'out' is incorrect instead it should be 'off' because 'doze off' is phrasal verb which means to fall asleep, usually accidentally. So, from the given options, option (d) can be used to replace the highlighted phrase to make the given sentence grammatically correct.

## S99. Ans.(a)

Sol. In the highlighted phrase, usage of 'realizes' is incorrect instead it should be 'realize' because when 'It's time' is followed by 'to' then V1 is used. Also, instead of 'its' we should be used 'it's' because 'It's'

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 is always the abbreviation of "it is" and 'Its' is the possessive of "it". Hence, the appropriate replacement would be option (a).
## S100. Ans.(b)

Sol. In any sentence, if 'since' is followed by a simple past tense, then 'since' is preceded by a 'Present Perfect Tense' and vice-versa. So, from the given option choice, appropriate replacement for the given phrase would be option (b).

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