



**SBI PO 9 July 2016**

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# Reasoning

## Instructions

Study the following information and answer the given questions. S is the mother of D. K is the brother of D. K is the only son of M. M is the son of U. U is the husband of T. T is the mother of Y.

### Question 1

If D is married to X, then how is X related to M?

- A Son-in-law
- B Daughter-in-law
- C Son
- D Niece
- E Daughter

Answer: A

### Explanation:

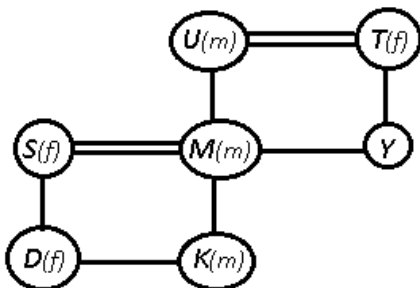
S is the mother of D. K is the brother of D. K is the only son of M.

=> M is husband of S and D is their daughter.

M is the son of U. U is the husband of T. T is the mother of Y.

=> Gender of Y is unknown.

'=' represents married couple and '-' represents siblings.



If D is married to X, then X is son-in-law of M.

=> Ans - (A)

### Question 2

How is T related to K?

- A Mother
- B Aunt
- C Granddaughter
- D Grandmother
- E Mother-in-law

Answer: D

### Explanation:

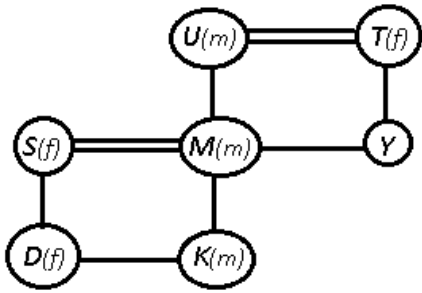
S is the mother of D. K is the brother of D. K is the only son of M.

=> M is husband of S and D is their daughter.

M is the son of U. U is the husband of T. T is the mother of Y.

=> Gender of Y is unknown.

'=' represents married couple and '-' represents siblings.



T is grandmother of K.

=> Ans - (D)

### Question 3

How is S related to Y ?

- A Sister
- B Cousin
- C Mother-in-law
- D Niece
- E Sister-in-law

Answer: E

### Explanation:

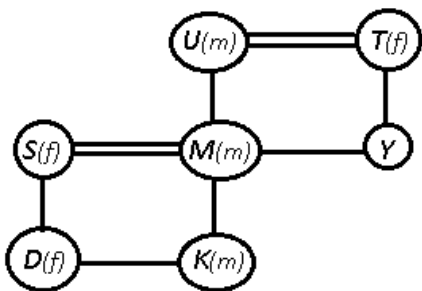
S is the mother of D. K is the brother of D. K is the only son of M.

=> M is husband of S and D is their daughter.

M is the son of U. U is the husband of T. T is the mother of Y.

=> Gender of Y is unknown.

'=' represents married couple and '-' represents siblings.



S is sister-in-law of Y.

=> Ans - (E)

### Instructions

In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer.

Give answer :

- a: Both conclusions I and II are true
- b: Only conclusion I is true
- c: Neither conclusion I nor II is true
- d: Only conclusion II is true

e: Either conclusion II or conclusion is true

**Question 4**

**Statements :**  $R > S = T \geq U$ ;  $S \geq A > V$

**Conclusions**

I.  $A < R$

II.  $V \leq U$

- A Both conclusions I and II are true
- B Only conclusion I is true
- C Neither conclusion I nor II is true
- D Only conclusion II is true
- E Either conclusion II or conclusion is true

**Answer:** B

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**Question 5**

**Statements :**  $B > E \geq A \geq T = H \leq I \leq M$

**Conclusions :**

I.  $H \leq E$

II.  $B > T$

- A Both conclusions I and II are true
- B Only conclusion I is true
- C Neither conclusion I nor II is true
- D Only conclusion II is true
- E Either conclusion II or conclusion is true

**Answer:** A

**Question 6**

**Statements :**  $S < M < I < T$ ;  $R \geq J > I$

**Conclusions :**

I.  $R = S$

II.  $S < R$

- A Both conclusions I and II are true
- B Only conclusion I is true
- C Neither conclusion I nor II is true
- D Only conclusion II is true
- E Either conclusion II or conclusion is true

**Answer:** D

**Explanation:**

$R$  is definitely greater than  $I$ .  $S$  is definitely less than  $I$ .  
Therefore,  $S$  is less than  $R$ .  
Only conclusion II is true. Therefore, option D is the right answer.

**Question 7**

**Statements :**  $B > E \geq A \geq T = H$

**Conclusions :**

I.  $E > T$

II.  $T \leq B$

- A Both conclusions I and II are true
- B Only conclusion I is true
- C Neither conclusion I nor II is true
- D Only conclusion II is true
- E Either conclusion II or conclusion is true

**Answer:** C

**SBI PO Solved Previous Papers (Download PDF)**

**Question 8**

**Statements :**  $D \leq O \leq L > C \geq E$

**Conclusions :**

I.  $O < E$

II.  $L \geq D$

- A Both conclusions I and II are true
- B Only conclusion I is true
- C Neither conclusion I nor II is true
- D Only conclusion II is true
- E Either conclusion II or conclusion is true

**Answer:** D

**Instructions**

Read the following information and answer the given questions.

Vansh starts walking from Point E and walks 25m towards the north. He then takes a right turn and walks for 15m. He makes a left turn and stops at Point M after walking for 20m.

Point K is 30m to the west of Point M.

Point K is 45m to the north of Point J.

Point J is 10m to the east of Point L.

**Question 9**

**How far and in which direction is Point E with respect to Point L ?**

- A 30 m towards West
- B 25 in towards East
- C 20 in towards East

D 20 m towards West

E 25m towards West

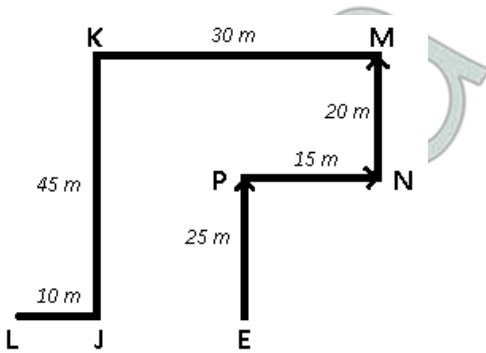
**Answer: B**

**Explanation:**

Vansh starts walking from Point E and walks 25m towards the north and stops at point P.

He then takes right turn for 15 m to reach point N and finally left turn to reach point M after walking 20 m.

Point K is 30m to the west of Point M and Point K is 45m to the north of Point J and Point J is 10m to the east of Point L.



Point E is in east direction with respect to point L and distance  $LE = 10 + 15 = 25$  m

=> Ans - (B)

**Question 10**

If Neha is standing at Point D which is 20m to the north of Point L, in which direction will she have to walk in order to reach Point M ?

A Northwest

B East

C Southeast

D Northeast

E North

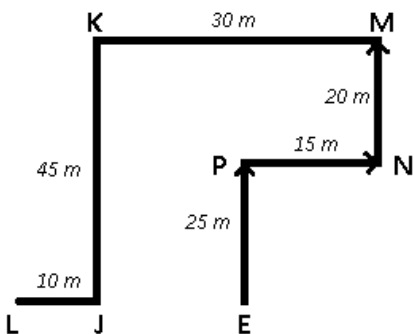
**Answer: D**

**Explanation:**

Vansh starts walking from Point E and walks 25m towards the north and stops at point P.

He then takes right turn for 15 m to reach point N and finally left turn to reach point M after walking 20 m.

Point K is 30m to the west of Point M and Point K is 45m to the north of Point J and Point J is 10m to the east of Point L.



If Neha is standing at Point D which is 20m to the north of Point L, then she has to walk in the North-east direction to reach point M.

=> Ans - (D)

### Instructions

Read the given information carefully and answer the questions.

Each of the six sections, U, V, W, X, Y and Z of the same class has different number of students. Only Z has more number of students than X. V has more number of students than Y but less than U. W has more number of students than both Y and U. The section having the third highest number of students has 39 students. Y has 24 students.

### Question 11

If the number of students in sections W + Z is sixty six more than the number of students in section Y, how many of students are there in section Z ?

- A 31
- B 46
- C 51
- D 55
- E 45

Answer: C

### Explanation:

Only Z has more number of students than X,  $\Rightarrow$  Z has the highest number of students and X has second highest.

V has more number of students than Y but less than U,  $\Rightarrow U > V > Y$

W has more number of students than both Y and U,  $\Rightarrow W > U > V > Y$

Combining above statements, we get

$$\therefore Z > X > W > U > V > Y$$

Number of students in W = 39 and Y = 24

Let number of students in section Z =  $z$

$$\Rightarrow 39 + z = 24 + 66$$

$$\Rightarrow z = 90 - 39 = 51$$

$\Rightarrow$  Ans - (C)

### Question 12

How many students does section V possibly have ?

- A 39
- B 43
- C 55
- D 31
- E 14

Answer: D

### Explanation:

Only Z has more number of students than X,  $\Rightarrow$  Z has the highest number of students and X has second highest.

V has more number of students than Y but less than U,  $\Rightarrow U > V > Y$

W has more number of students than both Y and U,  $\Rightarrow W > U > V > Y$

Combining above statements, we get

$\therefore Z > X > W > U > V > Y$

Number of students in W = 39 and Y = 24

V lies between W and Y, thus number of students in V is between 24 and 39

The only option that satisfies above condition = 31

=> Ans - (D)

### Question 13

Which of the following is true regarding the number of students in section U ?

- A No other section has less students than U.
- B X has more number of students than U.
- C U possibly has 45 students.
- D U has more number of students than only three sections.
- E None of the given options is true

**Answer:** B

### Explanation:

Only Z has more number of students than X, => Z has the highest number of students and X has second highest.

V has more number of students than Y but less than U, =>  $U > V > Y$

W has more number of students than both Y and U, =>  $W > U > V > Y$

Combining above statements, we get

$\therefore Z > X > W > U > V > Y$

Number of students in W = 39 and Y = 24

The only true statement is that X has more number of students than U.

=> Ans - (B)

## SBI PO Free Mocks (Latest Pattern)

### Instructions

Study the following information and answer the questions.

Seven people, namely, A, B, C, D, E, F and G have an appointment but not necessarily in the same order, on seven different months (of the same year) namely January, February, April, June, August, October and December. Each of them also likes a different activity namely Drawing, Singing, Painting, Boxing, Karate, Craft and Running but not necessarily in the same order. The one who likes Craft has an appointment on one of the months before April. Only two people have an appointment between the one who likes craft and the one who likes painting. Only one person has an appointment between the one who likes painting and the one who likes running. The one who likes running has an appointment in a month which has 31 days. Only three people have an appointment between the one who likes running and E. G has an appointment on one of the months before E. G does not have an appointment in the month which has the least number of days. Only three people have an appointment between G and C. Only one person has an appointment between C and the one who likes Karate. The one who likes Karate has an appointment before C. The one who likes singing has an appointment immediately before B. B has an appointment in a month which has less than 31 days. Only one person has an appointment between A and F. A has an appointment before F. Only one person has an appointment between F and the one who likes drawing.

### Question 14

Who amongst the following has an appointment before the one who has an appointment in December ?

A B

B E



C

D The one who likes Running

E The one who likes Boxing

**Answer: E**

**Explanation:**

The one who likes Craft has an appointment on one of the months before April, => Let he has appointment in February.

Only two people have an appointment between the one who likes craft and the one who likes painting, => The one who likes painting has an appointment in August.

Only one person has an appointment between the one who likes painting and the one who likes running and the one who likes running has an appointment in a month which has 31 days, => The one who likes running has an appointment in December.

Only three people have an appointment between the one who likes running and E, => E has appointment in April.

G has an appointment on one of the months before E and G does not have an appointment in the month which has the least number of days, => G has appointment in January.

Only three people have an appointment between G and C, => C has appointment in August.

Only one person has an appointment between C and the one who likes Karate and the one who likes Karate has an appointment before C, => The one who likes Karate has an appointment in April.

The one who likes singing has an appointment immediately before B and B has an appointment in a month which has less than 31 days, => B has appointment in February and G likes Singing.

Only one person has an appointment between A and F and A has an appointment before F, => F has appointment in October.

Only one person has an appointment between F and the one who likes drawing, => The one who likes drawing has appointment in June.

Months	Person	Activity
January	G	Singing
February	B	Craft
April	E	Karate
June	A	Drawing
August	C	Painting
October	F	Boxing
December	D	Running

F, who likes boxing has an appointment before December.

=> Ans - (E)

**Question 15**

In which of the following pairs, both the persons have an appointment in months which have less than 31 days ?

A A, F

B F, D

C B, F

D E, D

E B, E

**Answer: E**

**Explanation:**

The one who likes Craft has an appointment on one of the months before April, => Let he has appointment in February.

Only two people have an appointment between the one who likes craft and the one who likes painting, => The one who likes painting has

an appointment in August.

Only one person has an appointment between the one who likes painting and the one who likes running and the one who likes running has an appointment in a month which has 31 days, => The one who likes running has an appointment in December.

Only three people have an appointment between the one who likes running and E, => E has appointment in April.

G has an appointment on one of the months before E and G does not have an appointment in the month which has the least number of days, => G has appointment in January.

Only three people have an appointment between G and C, => C has appointment in August.

Only one person has an appointment between C and the one who likes Karate and the one who likes Karate has an appointment before C, => The one who likes Karate has an appointment in April.

The one who likes singing has an appointment immediately before B and B has an appointment in a month which has less than 31 days, => B has appointment in February and G likes Singing.

Only one person has an appointment between A and F and A has an appointment before F, => F has appointment in October.

Only one person has an appointment between F and the one who likes drawing, => The one who likes drawing has appointment in June.

Months	Person	Activity
January	G	Singing
February	B	Craft
April	E	Karate
June	A	Drawing
August	C	Painting
October	F	Boxing
December	D	Running

B and E have appointments in months which have less than 31 days.

=> Ans - (E)

#### Question 16

Which of the following combinations is correct ?

- A G-Singing
- B A-Painting
- C F-Running
- D B-Karate
- E D-Painting

**Answer:** A

#### Explanation:

The one who likes Craft has an appointment on one of the months before April, => Let he has appointment in February.

Only two people have an appointment between the one who likes craft and the one who likes painting, => The one who likes painting has an appointment in August.

Only one person has an appointment between the one who likes painting and the one who likes running and the one who likes running has an appointment in a month which has 31 days, => The one who likes running has an appointment in December.

Only three people have an appointment between the one who likes running and E, => E has appointment in April.

G has an appointment on one of the months before E and G does not have an appointment in the month which has the least number of days, => G has appointment in January.

Only three people have an appointment between G and C, => C has appointment in August.

Only one person has an appointment between C and the one who likes Karate and the one who likes Karate has an appointment before C, => The one who likes Karate has an appointment in April.

The one who likes singing has an appointment immediately before B and B has an appointment in a month which has less than 31 days, => B has appointment in February and G likes Singing.

Only one person has an appointment between A and F and A has an appointment before F, => F has appointment in October.

Only one person has an appointment between F and the one who likes drawing, => The one who likes drawing has appointment in June.

Months	Person	Activity
January	G	Singing
February	B	Craft
April	E	Karate
June	A	Drawing
August	C	Painting
October	F	Boxing
December	D	Running

The only true statement is that G likes singing.

=> Ans - (A)

## SBI Clerk Free Mock Test (Latest Pattern)

### Question 17

As per the given arrangement Craft is related to April and Karate is related to June following a certain pattern, which of the following is Drawing related to following the same pattern ?

- A February
- B October
- C December
- D August
- E January

Answer: D

### Explanation:

The one who likes Craft has an appointment on one of the months before April, => Let he has appointment in February.

Only two people have an appointment between the one who likes craft and the one who likes painting, => The one who likes painting has an appointment in August.

Only one person has an appointment between the one who likes painting and the one who likes running and the one who likes running has an appointment in a month which has 31 days, => The one who likes running has an appointment in December.

Only three people have an appointment between the one who likes running and E, => E has appointment in April.

G has an appointment on one of the months before E and G does not have an appointment in the month which has the least number of days, => G has appointment in January.

Only three people have an appointment between G and C, => C has appointment in August.

Only one person has an appointment between C and the one who likes Karate and the one who likes Karate has an appointment before C, => The one who likes Karate has an appointment in April.

The one who likes singing has an appointment immediately before B and B has an appointment in a month which has less than 31 days, => B has appointment in February and G likes Singing.

Only one person has an appointment between A and F and A has an appointment before F, => F has appointment in October.

Only one person has an appointment between F and the one who likes drawing, => The one who likes drawing has appointment in June.

Months	Person	Activity
January	G	Singing
February	B	Craft
April	E	Karate
June	A	Drawing
August	C	Painting
October	F	Boxing
December	D	Running

Craft is related to April, => The person who likes craft has appointment immediately before April.

Karate is related to June, => The person who likes Karate has appointment immediately before June.

Similarly, the one who likes Drawing has appointment immediately before August, => Drawing is related to August.

=> Ans - (D)

#### Question 18

Who amongst the following likes Running ?

- A F
- B D
- C A
- D B
- E Other than those given as options

**Answer:** B

#### Explanation:

The one who likes Craft has an appointment on one of the months before April, => Let he has appointment in February.

Only two people have an appointment between the one who likes craft and the one who likes painting, => The one who likes painting has an appointment in August.

Only one person has an appointment between the one who likes painting and the one who likes running and the one who likes running has an appointment in a month which has 31 days, => The one who likes running has an appointment in December.

Only three people have an appointment between the one who likes running and E, => E has appointment in April.

G has an appointment on one of the months before E and G does not have an appointment in the month which has the least number of days, => G has appointment in January.

Only three people have an appointment between G and C, => C has appointment in August.

Only one person has an appointment between C and the one who likes Karate and the one who likes Karate has an appointment before C, => The one who likes Karate has an appointment in April.

The one who likes singing has an appointment immediately before B and B has an appointment in a month which has less than 31 days, => B has appointment in February and G likes Singing.

Only one person has an appointment between A and F and A has an appointment before F, => F has appointment in October.

Only one person has an appointment between F and the one who likes drawing, => The one who likes drawing has appointment in June.

Months	Person	Activity
January	G	Singing
February	B	Craft
April	E	Karate
June	A	Drawing
August	C	Painting
October	F	Boxing
December	D	Running

D likes running.

=> Ans - (B)

**Question 19**

How many people have an appointment between the one who has an appointment in February and A ?

- A Three
- B None
- C More than three
- D One
- E Two

**Answer: D**

**Explanation:**

The one who likes Craft has an appointment on one of the months before April, => Let he has appointment in February.

Only two people have an appointment between the one who likes craft and the one who likes painting, => The one who likes painting has an appointment in August.

Only one person has an appointment between the one who likes painting and the one who likes running and the one who likes running has an appointment in a month which has 31 days, => The one who likes running has an appointment in December.

Only three people have an appointment between the one who likes running and E, => E has appointment in April.

G has an appointment on one of the months before E and G does not have an appointment in the month which has the least number of days, => G has appointment in January.

Only three people have an appointment between G and C, => C has appointment in August.

Only one person has an appointment between C and the one who likes Karate and the one who likes Karate has an appointment before C, => The one who likes Karate has an appointment in April.

The one who likes singing has an appointment immediately before B and B has an appointment in a month which has less than 31 days, => B has appointment in February and G likes Singing.

Only one person has an appointment between A and F and A has an appointment before F, => F has appointment in October.

Only one person has an appointment between F and the one who likes drawing, => The one who likes drawing has appointment in June.

Months	Person	Activity
January	G	Singing
February	B	Craft
April	E	Karate
June	A	Drawing
August	C	Painting
October	F	Boxing
December	D	Running

There is only 1 person who has appointment between A and B, who has appointment in February.

=> Ans - (D)

## SBI Clerk Previous Papers (Download PDF)

### Instructions

Study the given information carefully to answer the given questions.

Seven boxes A, B, C, D, E, F and G are kept one above the other, but not necessarily in the same order. Each box contains different items Shoes, Papers, Bands, Medicines, Ribbons, Creams and Phones, but not necessarily in the same order. Only three boxes are kept between D and G. The Ribbon box is kept immediately above G. Only one box is kept between the Ribbon box and A. The Ribbon box is not the second from the bottom of the stack, Only one box is kept between E and A. E is kept above A. The Medicine box is kept immediately above E. Only three boxes are kept between the Medicine box and the Shoe box. The Paper Box is immediately above the Phone box. G is not the Paper box. F is kept immediately below the Cream box. Only one box is kept between B and the Cream box.

### Question 20

Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to the group ?

- A G-Creams
- B E-Bands
- C C-Shoes
- D D-Papers
- E A-Bands

Answer: C

### Explanation:

The Ribbon box is kept immediately above G and the Ribbon box is not the second from the bottom of the stack, => Box G is not at the bottom.

Only three boxes are kept between D and G, => Let box D is at the bottom and thus Box G is third from the top and the ribbon box is immediately above it.

Only one box is kept between E and A and E is kept above A.

The Medicine box is kept immediately above E and only three boxes are kept between the Medicine box and the Shoe box, => The shoe box is kept immediately below A.

Only one box is kept between the Ribbon box and A, => A is kept at the middle and E contains ribbons.

F is kept immediately below the Cream box and only one box is kept between B and the Cream box, => A contains creams and box B is second from bottom.

The Paper Box is immediately above the Phone box, => B contains papers and D contains phones.

Number	Box	Items
7	C	Medicines
6	E	Ribbons
5	G	Bands
4	A	Creams
3	F	Shoes
2	B	Papers
1	D	Phones

Apart from C-shoes, there is no gap between the boxes mentioned in the options.

=> Ans - (C)

**Question 21**

**Which of the following boxes contains bands ?**

- A D
- B C
- C G
- D A
- E Other than those given as options

**Answer: C**

**Explanation:**

The Ribbon box is kept immediately above G and the Ribbon box is not the second from the bottom of the stack, => Box G is not at the bottom.

Only three boxes are kept between D and G, => Let box D is at the bottom and thus Box G is third from the top and the ribbon box is immediately above it.

Only one box is kept between E and A and E is kept above A.

The Medicine box is kept immediately above E and only three boxes are kept between the Medicine box and the Shoe box, => The shoe box is kept immediately below A.

Only one box is kept between the Ribbon box and A, => A is kept at the middle and E contains ribbons.

F is kept immediately below the Cream box and only one box is kept between B and the Cream box, => A contains creams and box B is second from bottom.

The Paper Box is immediately above the Phone box, => B contains papers and D contains phones.

Number	Box	Items
7	C	Medicines
6	E	Ribbons
5	G	Bands
4	A	Creams
3	F	Shoes
2	B	Papers
1	D	Phones

Box G contains bands.

=> Ans - (C)

**Question 22**

**What is the position of F in the given stack of boxes ?**

- A Second from the top
- B Third from the bottom
- C First from the top
- D Fifth from the bottom
- E Fourth from the top

**Answer: B**



**Explanation:**

The Ribbon box is kept immediately above G and the Ribbon box is not the second from the bottom of the stack, => Box G is not at the bottom.

Only three boxes are kept between D and G, => Let box D is at the bottom and thus Box G is third from the top and the ribbon box is immediately above it.

Only one box is kept between E and A and E is kept above A.

The Medicine box is kept immediately above E and only three boxes are kept between the Medicine box and the Shoe box, => The shoe box is kept immediately below A.

Only one box is kept between the Ribbon box and A, => A is kept at the middle and E contains ribbons.

F is kept immediately below the Cream box and only one box is kept between B and the Cream box, => A contains creams and box B is second from bottom.

The Paper Box is immediately above the Phone box, => B contains papers and D contains phones.

Number	Box	Items
7	C	Medicines
6	E	Ribbons
5	G	Bands
4	A	Creams
3	F	Shoes
2	B	Papers
1	D	Phones

Box F is kept at third from the bottom.

=> Ans - (B)

## Banking Daily Free Topic Test

### Question 23

Which of the following boxes is kept immediately below G ?

- A A
- B B
- C C
- D The Shoe box
- E The Paper box

**Answer:** A

**Explanation:**

The Ribbon box is kept immediately above G and the Ribbon box is not the second from the bottom of the stack, => Box G is not at the bottom.

Only three boxes are kept between D and G, => Let box D is at the bottom and thus Box G is third from the top and the ribbon box is immediately above it.

Only one box is kept between E and A and E is kept above A.

The Medicine box is kept immediately above E and only three boxes are kept between the Medicine box and the Shoe box, => The shoe box is kept immediately below A.

Only one box is kept between the Ribbon box and A, => A is kept at the middle and E contains ribbons.



F is kept immediately below the Cream box and only one box is kept between B and the Cream box, => A contains creams and box B is second from bottom.

The Paper Box is immediately above the Phone box, => B contains papers and D contains phones.

Number	Box	Items
7	C	Medicines
6	E	Ribbons
5	G	Bands
4	A	Creams
3	F	Shoes
2	B	Papers
1	D	Phones

Box A which contains creams is kept immediately below G.

=> Ans - (A)

#### Question 24

How many boxes are kept between B and the Ribbon box ?

- A Two
- B One
- C None
- D Three
- E More than three

**Answer: D**

#### Explanation:

The Ribbon box is kept immediately above G and the Ribbon box is not the second from the bottom of the stack, => Box G is not at the bottom.

Only three boxes are kept between D and G, => Let box D is at the bottom and thus Box G is third from the top and the ribbon box is immediately above it.

Only one box is kept between E and A and E is kept above A.

The Medicine box is kept immediately above E and only three boxes are kept between the Medicine box and the Shoe box, => The shoe box is kept immediately below A.

Only one box is kept between the Ribbon box and A, => A is kept at the middle and E contains ribbons.

F is kept immediately below the Cream box and only one box is kept between B and the Cream box, => A contains creams and box B is second from bottom.

The Paper Box is immediately above the Phone box, => B contains papers and D contains phones.

Number	Box	Items
7	C	Medicines
6	E	Ribbons
5	G	Bands
4	A	Creams
3	F	Shoes
2	B	Papers
1	D	Phones

There are 3 boxes that are kept between B and the box that contains ribbons.

=> Ans - (D)

### Instructions

Study the following information to answer the given questions. Eight friends, C, D, E, F, L, M, N and O are seated in a straight line, but not necessarily in the same order. Some of them are facing north while some face south. Only three people sit to the right of M. E sits second to the left of M. F sits third to the right of O. O is not an immediate neighbour of M. O does not sit at any of the extreme ends of the line. Both the immediate neighbours of O face south. D sits second to the right of N. As many people sit between M and D as between M and L. Immediate neighbours of F face opposite directions (i.e. if one person faces north then the other person faces south and vice versa.) C faces south. L and F face direction opposite to C (i.e. if C faces north then both L and F face south and vice versa.)

### Question 25

Which of the following is true, based on the given arrangement ?

- A D faces north.
- B Only three people face south.
- C L sits at one of the extreme ends of the line.
- D O and E face the same directions.
- E None of the given options is true

**Answer: D**

### Explanation:

Only three people sit to the right of M, => Let M sits 4th from left end and faces south. Also, E sits second to the left of M.

F sits third to the right of O. O is not an immediate neighbour of M. O does not sit at any of the extreme ends of the line, => O sits 2nd to the right of M and faces north, while F sits between M and E.

D sits second to the right of N, => D and N are both neighbours of O.

Both the immediate neighbours of O face south, => D sits at extreme left end while N sits to the immediate right of O.

As many people sit between M and D as between M and L, => L sits 2nd from right end while C sits at extreme right and faces south (given).

Immediate neighbours of F face opposite directions, => E faces north.

L and F face direction opposite to C, => L and F face north direction.

D	O	N	M	F	E	L	C
↓	↑	↓	↓	↑	↑	↑	↓

The only true statement is that O and E face the same directions.

=> Ans - (D)

**Question 26**

**How many people sit to the left of O?**

- A Three
- B More than four
- C One
- D Four
- E Two

**Answer: C**

**Explanation:**

Only three people sit to the right of M, => Let M sits 4th from left end and faces south. Also, E sits second to the left of M.

F sits third to the right of O. O is not an immediate neighbour of M. O does not sit at any of the extreme ends of the line, => O sits 2nd to the right of M and faces north, while F sits between M and E.

D sits second to the right of N, => D and N are both neighbours of O.

Both the immediate neighbours of O face south, => D sits at extreme left end while N sits to the immediate right of O.

As many people sit between M and D as between M and L, => L sits 2nd from right end while C sits at extreme right and faces south (given).

Immediate neighbours of F face opposite directions, => E faces north.

L and F face direction opposite to C, => L and F face north direction.

D	O	N	M	F	E	L	C
↓	↑	↓	↓	↑	↑	↑	↓

Only 1 person (D) sit to the left of O.

=> Ans - (C)

**Question 27**

**Who amongst the following faces South ?**

- A E
- B M
- C F
- D L
- E O

**Answer: B**

**Explanation:**

Only three people sit to the right of M, => Let M sits 4th from left end and faces south. Also, E sits second to the left of M.

F sits third to the right of O. O is not an immediate neighbour of M. O does not sit at any of the extreme ends of the line, => O sits 2nd to the right of M and faces north, while F sits between M and E.

D sits second to the right of N, => D and N are both neighbours of O.

Both the immediate neighbours of O face south, => D sits at extreme left end while N sits to the immediate right of O.

As many people sit between M and D as between M and L, => L sits 2nd from right end while C sits at extreme right and faces south (given).

Immediate neighbours of F face opposite directions, => E faces north.

L and F face direction opposite to C, => L and F face north direction.

D	O	N	M	F	E	L	C
↓	↑	↓	↓	↑	↑	↑	↓

Among the given options, only M faces South.

=> Ans - (B)

#### Question 28

Who amongst the following sits second to the left of L ?

- A O
- B F
- C D
- D No one as less than two people sit to the left of L
- E N

Answer: B

#### Explanation:

Only three people sit to the right of M, => Let M sits 4th from left end and faces south. Also, E sits second to the left of M.

F sits third to the right of O. O is not an immediate neighbour of M. O does not sit at any of the extreme ends of the line, => O sits 2nd to the right of M and faces north, while F sits between M and E.

D sits second to the right of N, => D and N are both neighbours of O.

Both the immediate neighbours of O face south, => D sits at extreme left end while N sits to the immediate right of O.

As many people sit between M and D as between M and L, => L sits 2nd from right end while C sits at extreme right and faces south (given).

Immediate neighbours of F face opposite directions, => E faces north.

L and F face direction opposite to C, => L and F face north direction.

D	O	N	M	F	E	L	C
↓	↑	↓	↓	↑	↑	↑	↓

F sits second to the left of L.

=> Ans - (B)

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#### Question 29

Who amongst the following represent the persons sitting at extreme ends of the line ?

- A D, N
- B C, D
- C L, N
- D D, L
- E C, N

Answer: B

**Explanation:**

Only three people sit to the right of M, => Let M sits 4th from left end and faces south. Also, E sits second to the left of M.

F sits third to the right of O. O is not an immediate neighbour of M. O does not sit at any of the extreme ends of the line, => O sits 2nd to the right of M and faces north, while F sits between M and E.

D sits second to the right of N, => D and N are both neighbours of O.

Both the immediate neighbours of O face south, => D sits at extreme left end while N sits to the immediate right of O.

As many people sit between M and D as between M and L, => L sits 2nd from right end while C sits at extreme right and faces south (given).

Immediate neighbours of F face opposite directions, => E faces north.

L and F face direction opposite to C, => L and F face north direction.

D	O	N	M	F	E	L	C
↓	↑	↓	↓	↑	↑	↑	↓

C and D are sitting at extreme ends of the line.

=> Ans - (B)

**Instructions**

Study the following information and answer the given Questions.

Seven people, namely A, B, C, D, E, F and G teach seven different subjects namely, Mathematics, English, Chemistry, History, Accountancy, Physics and Biology. Each of them works in either of the three institutes viz. Paramount, Brilliant and Embibe with atleast two of them in a institute.

(Note: None of the information given is necessarily in the same order.)

G teaches in Brilliant with the one who teaches Accountancy. The one who teaches Biology works in an institute with only the one who teaches Chemistry. B teaches English. B does not work with G. D works with F but not in Embibe. Neither D nor F teaches Accountancy. F does not teach Chemistry. C works with only the one who teaches Mathematics. E works with the one who teaches History.

**Question 30**

**Who amongst the following teaches Physics ?**

A F

B D

C C

D E

E G

**Answer: D**

**Explanation:**

G teaches in Brilliant with the one who teaches Accountancy and B teaches English.

D works with F but not in Embibe and neither D nor F teaches Accountancy, => D and F both work in Paramount.

The one who teaches Biology works in an institute with only the one who teaches Chemistry and F does not teach Chemistry, => D teaches Chemistry and F teaches Biology.

B does not work with G, => B works in Embibe.

C works with only the one who teaches Mathematics, => C works in Brilliant with G, who teaches Mathematics.

E works with the one who teaches History, => E works in Embibe along with A and B and A teaches History.

Person	Subject	Institute
A	History	Embibe
B	English	Embibe
C	Accountancy	Brilliant
D	Chemistry	Paramount
E	Physics	Embibe
F	Biology	Paramount
G	Mathematics	Brilliant

E teaches Physics.

=> Ans - (D)

**Question 31**

Which of the following combinations represents the institute in which C works and the subject he teaches ?

- A Brilliant-Accountancy
- B Embibe-Accountancy
- C Paramount-Biology
- D Brilliant-History
- E Paramount-Chemistry

**Answer:** A

**Explanation:**

G teaches in Brilliant with the one who teaches Accountancy and B teaches English.

D works with F but not in Embibe and neither D nor F teaches Accountancy, => D and F both work in Paramount.

The one who teaches Biology works in an institute with only the one who teaches Chemistry and F does not teach Chemistry, => D teaches Chemistry and F teaches Biology.

B does not work with G, => B works in Embibe.

C works with only the one who teaches Mathematics, => C works in Brilliant with G, who teaches Mathematics.

E works with the one who teaches History, => E works in Embibe along with A and B and A teaches History.

Person	Subject	Institute
A	History	Embibe
B	English	Embibe
C	Accountancy	Brilliant
D	Chemistry	Paramount
E	Physics	Embibe
F	Biology	Paramount
G	Mathematics	Brilliant

C works in Brilliant and teaches Accountancy.

=> Ans - (A)

**Question 32**

**Which of the following subjects does A teach?**

- A Biology
- B Chemistry
- C Mathematics
- D Accountancy
- E History

**Answer: E**

**Explanation:**

G teaches in Brilliant with the one who teaches Accountancy and B teaches English.

D works with F but not in Embibe and neither D nor F teaches Accountancy, => D and F both work in Paramount.

The one who teaches Biology works in an institute with only the one who teaches Chemistry and F does not teach Chemistry, => D teaches Chemistry and F teaches Biology.

B does not work with G, => B works in Embibe.

C works with only the one who teaches Mathematics, => C works in Brilliant with G, who teaches Mathematics.

E works with the one who teaches History, => E works in Embibe along with A and B and A teaches History.

Person	Subject	Institute
A	History	Embibe
B	English	Embibe
C	Accountancy	Brilliant
D	Chemistry	Paramount
E	Physics	Embibe
F	Biology	Paramount
G	Mathematics	Brilliant

Clearly, A teaches History.

=> Ans - (E)

**Question 33**

**Which of the following statements is true ?**

- A D teaches Biology
- B None of the given statements is true
- C Only two people teach in brilliant
- D Both E and G work in the same institute
- E A teaches Mathematics.

**Answer: C**

**Explanation:**

G teaches in Brilliant with the one who teaches Accountancy and B teaches English.

D works with F but not in Embibe and neither D nor F teaches Accountancy, => D and F both work in Paramount.

The one who teaches Biology works in an institute with only the one who teaches Chemistry and F does not teach Chemistry, => D teaches Chemistry and F teaches Biology.

B does not work with G, => B works in Embibe.

C works with only the one who teaches Mathematics, => C works in Brilliant with G, who teaches Mathematics.

E works with the one who teaches History, => E works in Embibe along with A and B and A teaches History.

Person	Subject	Institute
A	History	Embibe
B	English	Embibe
C	Accountancy	Brilliant
D	Chemistry	Paramount
E	Physics	Embibe
F	Biology	Paramount
G	Mathematics	Brilliant

The only true statement is that only 2 people teach in Brilliant.

=> Ans - (C)

#### Question 34

Which of the following combination represents the combination of people working in Paramount ?

- A D and the one who teaches English
- B E, A
- C G, C, E
- D F and the one who teaches Chemistry
- E A, B

**Answer:** D

#### Explanation:

G teaches in Brilliant with the one who teaches Accountancy and B teaches English.

D works with F but not in Embibe and neither D nor F teaches Accountancy, => D and F both work in Paramount.

The one who teaches Biology works in an institute with only the one who teaches Chemistry and F does not teach Chemistry, => D teaches Chemistry and F teaches Biology.

B does not work with G, => B works in Embibe.

C works with only the one who teaches Mathematics, => C works in Brilliant with G, who teaches Mathematics.

E works with the one who teaches History, => E works in Embibe along with A and B and A teaches History.



Person	Subject	Institute
A	History	Embibe
B	English	Embibe
C	Accountancy	Brilliant
D	Chemistry	Paramount
E	Physics	Embibe
F	Biology	Paramount
G	Mathematics	Brilliant

D, who teaches Chemistry and F, who teaches Biology teach Paramount.

=> Ans - (D)

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**Question 35**

Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which of the following does not belong to that group ?

- A BE
- B GC
- C EA
- D FG
- E AB

**Answer: D**

**Explanation:**

G teaches in Brilliant with the one who teaches Accountancy and B teaches English.

D works with F but not in Embibe and neither D nor F teaches Accountancy, => D and F both work in Paramount.

The one who teaches Biology works in an institute with only the one who teaches Chemistry and F does not teach Chemistry, => D teaches Chemistry and F teaches Biology.

B does not work with G, => B works in Embibe.

C works with only the one who teaches Mathematics, => C works in Brilliant with G, who teaches Mathematics.

E works with the one who teaches History, => E works in Embibe along with A and B and A teaches History.

Person	Subject	Institute
A	History	Embibe
B	English	Embibe
C	Accountancy	Brilliant
D	Chemistry	Paramount
E	Physics	Embibe
F	Biology	Paramount
G	Mathematics	Brilliant

Apart from F and G, all the persons mentioned in the options work in the same institute.

=> Ans - (D)

## SBI PO Free Mocks (Latest Pattern)

### English

#### Instructions

Read the following passage carefully and answer the questions. Certain words/phrases are given in bold to help you locate them while answering some of the questions.

Until the 1960s boys spent longer and went further in school than girls, and were more likely to graduate from university. Now, across the rich world and in a growing number of , poor countries, the balance has tilted the other way. Policymakers once fretted about girls' . lack of confidence in science but this is changing. Sweden has commissioned research into its "boy crisis". Australia has devised a reading programme called "Boys, Blokes, Books and Bytes". In just a couple of generations, one gender gap has closed, only for another to open up. The reversal is laid out in a report published on March 5th by the OECD. a Paris based Rich country thinktank. Boys' dominance just about endures in maths: at age 15 they are, on average, the equivalent of three months' schooling ahead of girls. In science the results are fairly even. But in reading, where girls have been ahead for some time, a gulf has appeared. In all G4 countries and economies in the study, girls outperform boys. The average gap is equivalent to an extra year of schooling. The OECD deems literacy to be the most important skill that it assesses, since further learning depends on it. Sure enough, teenage boys are 50% more likely than girls to fail to achieve basic proficiency in any of maths, reading and science. Youngsters in this group, with nothing to build on or shine at, are **prone** to drop out of school altogether. To see why boys and girls fare so differently in the classroom, first look at what they do outside it. The average 15year old girl devotes five and half hours a week to homework, an hour more than the average boy, who spend more time playing video games and trawling the internet. Three quarters of girls read for pleasure, compared with little more than half of boys. Reading rates are falling everywhere as screens **draw** eyes from pages, but boys are giving up faster. The OECD found that, among boys who do as much homework as the average girl, the gender gap in reading fell by nearly a quarter.

Once in the classroom, boys long to be out of it: They are twice as likely as girls to report that school is a "waste of time", and more often turn up late. Just as a teacher sused to struggle to persuade girls that science is not only for men, the OECD now urges parents and policymakers to steer boys away from a version of masculinity that ignores academic achievement. Boys' disdain for school might have been less irrational when there were plenty of jobs for uneducated men. But those days have long gone. It may be that a bit of swagger helps in maths, where confidence plays a part in boys' lead (though it sometimes extends to **delusion**:12% of boys told the OECD that they are familiar with the mathematical concept of "subjunctive sealing", a red herring that fooled only 7% of girls.) But their lack of self Visit discipline drives teachers crazy. The OECD found that boys did much better in its anonymised tests than in teachers assessments. What is behind this discrimination? One possibility is that teachers mark up students who are polite, eager and stay out of flights, all attributes that are more common among girls. In some countries, academic points can even be **docked** for bad behaviour.

#### Question 36

Choose the word which is opposite in meaning to the word DOCKED given in bold as used in the passage.

- A Raised
- B Stopped
- C Widened
- D Flown
- E None of these

Answer: B

## SBI Clerk Free Mock Test (Latest Pattern)

#### Question 37

According to the passage, what can be said about the school education today ?

- A Science education is deteriorating rapidly.
- B Online education can easily address its problems such as shortage of teaching staff.

- C It fosters rote learning instead of creative thinking.
- D The amount of homework for children is prohibitive.
- E Girls are doing better at school as compared to boys on some parameters.

**Answer: E**

**Question 38**

Choose the word/group of words which is most nearly the same in meaning as the word **DRAW** given in bold as used in the passage.

- A Sketch
- B Tie
- C Raffle
- D Represent
- E Divert

**Answer: E**

**Question 39**

Which of the following is **TRUE** in the context of the passage ?

- A Boys perform better than girls on subjective teacher assessments.
- B Efforts to improve representation of girls in education have had success.
- C By and large teachers are female and they discriminate against boys.
- D Education in rich countries needs to be subsidised to reduce dropout numbers.
- E None of the given statements is true in the context of the passage.

**Answer: B**

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**Question 40**

Choose the word/group of words which is most nearly the same in meaning as the word **PRONE** given in bold as used in the passage.

- A Unconscious
- B Flat
- C Likely
- D Lifeless
- E Opinionated

**Answer: C**

**Question 41**

Which of the following factors can have an impact on results of boys in school ?

- A. Perceptions of teachers
- B. Societal attitude towards educational achievement and boys
- C. Overconfidence of male students

- A Only (A)
- B Only (B)
- C All (A), (B) and (C)
- D Only (A) and (C)
- E Only (A) and (B)

**Answer: C**

**Question 42**

What do the OECD statistics in the passage indicate ?

- A Schools dropout rates among boys are higher in developing countries than in rich ones.
- B Despite the perception that girls are doing better than boys in school, the same is not true.
- C Today boys are more at risk than girls in terms of educational achievement in developed countries.
- D Enrolment of girls in schools has doubled while that of boys has fallen.
- E By and large teenagers have very low educational achievement in rich countries.

**Answer: D**

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**Question 43**

Choose the word which is opposite in meaning to the word **DELUSION** given in bold as used in the passage.

- A Myth
- B Superstition
- C Precipitating
- D Reality
- E Familiarity

**Answer: D**

**Question 44**

Which of the following best describes the author's opinion about the 'boy crisis'?

- A It is not as much of a problem as it is made out to be.
- B Policymakers should address the issue of 'uneducated' boys as it will impact boys employment subsequently.
- C It can be addressed by implementing quotas at university level.

D It is a rich country phenomenon and can be easily addressed through increased funding for schools.

E None of the given options

**Answer: B**

**Question 45**

**Which of the following is an appropriate title for the passage ?**

A Finding the Glass Ceiling

B Men Storming Up the Irony Tower

C Pay and Job Flexibility

D Attention! A New Gender Gap

E A Broken Safety Net

**Answer: D**

**Instructions**

Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer. (Ignore the errors of punctuation; if any)

**Question 46**

**The fare will be calculated/(a) on the basis of/(b) expected travel time distance/(c)and traffic where applied. (d) No error (e)**

A The fare will be calculated

B on the basis of

C expected travel time distance

D and traffic where applied

E No error

**Answer: D**

**Question 47**

**Junior colleges sees/(a) marginal violations in/(b) minimum score cap for arts,/(c) science and commerce streams. (d) No error (e)**

A Junior colleges sees

B marginal violations in

C minimum score cap for arts

D science and commerce streams

E No error

**Answer: A**

**Question 48**

**The actor has/(a) filed a case/(b) against the director and/(c) has sought a written apology. (d) No error (e)**

- A The actor has
- B filed a case
- C against the director and
- D has sought a written apology
- E No error

Answer: E

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### Question 49

The practice of big pharma companies/(a) offering kickbacks to/(b) prescribing physicians may not be/(c) a breach of ethics. (d) No error (e)

- A The practice of big pharma companies
- B offering kickbacks to
- C prescribing physicians may not be
- D a breach of ethics
- E No error

Answer: E

### Question 50

The government has narrowed/(a) its list of candidates/(b) to become the next/(c) governor on the RBI. (d) No error (e)

- A The government has narrowed
- B its list of candidates
- C to become the next
- D governor on the RBI
- E No error

Answer: D

### Instructions

Rearrange the given six sentences/ group of sentences (A), (B), (C), (D), (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

- A. Others were shown advertisements of more affordable stuff, such as smartphones.
- B. This experience shows the complexities of advertising today, when it is so easy for dissatisfied customers to make their voices heard.
- C. Moreover, some of those not shown the advertisement complained, referring to themselves as , or (putting it politely)losers.
- D. But its advertisement was shown only to those whose profiles suggested they were potential buyers of expensive cars.
- E. Eventually, this bruised a few egos.
- F. Earlier this year a carmaker advertised on WeChat, a popular messaging app in China with around 550m monthly users.

### Question 51

Which of the following should be the FIRST sentence after the rearrangement ?

- A A
- B C
- C B
- D F
- E E

Answer: D

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### Question 52

Which of the following should be the SECOND sentence after the rearrangement ?

- A A
- B B
- C F
- D D
- E C

Answer: D

### Question 53

Which of the following should be the FOURTH sentence after the rearrangement ?

- A A
- B E
- C C
- D F
- E D

Answer: B

### Question 54

Which of the following should be the SIXTH (last) sentence after the rearrangement ?

- A B
- B D
- C A
- D C
- E E

Answer: A

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Question 55

Which of the following should be the FIFTH sentence after the rearrangement ?

- A E
- B D
- C A
- D F
- E C

Answer: E

Instructions

In these questions, the sentence has two blanks, each blank indicating that something has been omitted. Choose the set of words for the blank which best fits the meaning of the sentence as a whole.

Question 56

The Governor's successor will find the economy in a much better..... than what it was in when he himself took .....three years ago.

- A condition, holding
- B turmoil, over
- C shape, charge
- D characters, reigns
- E position, duty

Answer: C

Question 57

The government's ..... to consolidate public sector banks (PSBs) could create in the current environment where stressed assets ..... across banks are high.

- A actions, exposed
- B intend, uncertainty
- C proposal, secure
- D strategise, havoc
- E plans, risks

Answer: E

## SBI PO Free Mocks (Latest Pattern)

Question 58

The IT firm may be ..... out as clients shift to cloud services ..... by rivals.



- A venting, existing
- B losing, offered
- C close, provided
- D locking, promising
- E shutting, delivered

**Answer: B**

**Question 59**

In spite of the ..... social performs are likely to ..... an ever larger part of marketers' budget.

- A pitfalls, receive
- B hazards, getting
- C negative, share
- D drawbacks, obtained
- E fallen, have

**Answer: A**

**Question 60**

Litigation and hurdles in a potential sale to a Chinese partner have ..... the company to ..... the closing of one of its plants.

- A raised, changing
- B denying, choose
- C forced, defer
- D enable, modify
- E compelled, defeat

**Answer: C**

## SBI Clerk Free Mock Test (Latest Pattern)

**Instructions**

In following passage, there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case. There's been some buzz lately around the not new idea that emerging technology is destroying jobs and will (1) destroy the middle class. Fears about a shrinking job pool are ...(2)... our economy is still recovering from the recession, and jobs have not returned to prerecession levels. Meanwhile, technology is ...(3)... some lowskilled jobs. Yet, changes to the job landscape, while they may require some adjustments, are not bad news for the middle class. ...(4)..., advances in innovation and technology promise to make life better for everyone, both professionally and ...(5)...

**Question 61**

(1)

- A not
- B ultimately

- C securely
- D publicly
- E demandingly

**Answer: B**

**Question 62**

(2)

- A understandable
- B weird
- C unjust
- D remanded
- E wrong

**Answer: A**

**Question 63**

(3)

- A dicing
- B acquiring
- C replacing
- D lifting
- E paying

**Answer: C**

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**Question 64**

(4)

- A But
- B Instead
- C Fact
- D Since
- E However

**Answer: B**

**Question 65**

(5)

- A workplace
- B shortly
- C personally
- D morosely
- E environmental

Answer: C

## Banking Daily Free Topic Test

### Quant

**Instructions**

For the following questions answer them individually

**Question 66**

C is 20% more efficient than A. A and B together can finish a piece of work in 16 days. B and C together can do it in 15 days. In how many days A alone can finish the same piece of work ?

- A 42
- B 48
- C 54
- D 36
- E 45

Answer: B

**Explanation:**

Let rate of doing work be  $1/A$ ,  $1/B$  and  $1/C$ .

$$((1/A) + (1/B)) = 1/16 \text{ -----1}$$

$$((1/B) + (1/C)) = 1/15 \text{ -----2}$$

C is 20% more efficient than A.

$$1/C = 12/10A$$

Replacing  $1/C$  in 2.

$$((1/B) + (12/10A)) = 1/15 \text{ -----3}$$

From 1

$$1/B = (1/16) - (1/A)$$

Replacing  $(1/B)$  in 3

$$(1/16) - (1/A) + (12/10A) = 1/15$$

$$2/10A = (1/15) - (1/16)$$

$$2/10A = 1/240$$

$$1/A = 1/48$$

A alone takes 48 days to complete the work.

**Question 67**

A started a business with an investment of Rs. 16,000/. After 6 months from the start of the business, B and C joined with Rs.12,000/and Rs.18,000/respectively and A invested an additional amount of Rs.4,000/. If the difference between A's share and B's share in the annual profit is Rs.6,000/, what was the annual profit received ?

- A Rs.17,600/-

- B Rs.13,200/-
- C Rs.14,300/-
- D Rs.16,500/-
- E Rs.11,000/-

**Answer: D**

**Explanation:**

A invested Rs. 16,000 for 6 months and Rs. 20,000 for another 6 months, B invested Rs. 12,000 for 6 months and C invested Rs. 18,000 for 6 months.

Ratio of profit earned by A:B:C

$$= (16,000 \times 6 + 20,000 \times 6) : (12,000 \times 6) : (18,000 \times 6)$$

$$= (96 + 120) : 72 : 108$$

$$= 216 : 72 : 108 = 6 : 2 : 3$$

Let total profit = Rs.  $x$

$$\Rightarrow \text{Difference between A's and B's share} = \left[ \frac{6}{(6+2+3)} - \frac{2}{(6+2+3)} \right] \times x = 6,000$$

$$\Rightarrow \frac{4x}{11} = 6000$$

$$\Rightarrow x = 6000 \times \frac{11}{4} = \text{Rs. } 16,500$$

$\Rightarrow$  Ans - (D)

**Question 68**

Shiva gives 20% of her monthly salary to his mother, 50% of the remaining salary he invests in an insurance scheme and PPF in the respective ratio of 5 : 3 and the remaining he keeps in his bank account. If the sum of the amount he gives to his mother and that he invests in PPF is Rs.12,600/, how much is Shiva's monthly salary ?

- A Rs. 36,000/-
- B Rs. 64,000/-
- C Rs. 42,000/-
- D Rs. 40,000/-
- E Rs. 21,000/-

**Answer: A**

**Explanation:**

Shiva gave 20% of her monthly salary to her mother. Remaining is 80%

50% of 80% was invested in insurance and PPF in the ratio of 5:3

$$\text{PPF} = \frac{3}{8} \times 40\% \text{ of salary}$$

$$\text{Insurance scheme} = \frac{5}{8} \times 40\% \text{ of salary}$$

Remaining 40% of 65% was put in Bank account.

$$20\% \text{ of his monthly salary and } \frac{3}{8} \times 40\% \text{ of salary} = 35\% \text{ of his salary} = 12600$$

Let his monthly salary be Rs.X

$$35\% \text{ of } X = 12600$$

$$X = \text{Rs. } 36,000$$

Option A is the nearest answer.

**Question 69**

The respective ratio of radii of two right circular cylinders (A and B) is 4 : 7. The respective ratio of the heights of cylinders A and B is 2 : 1. What is the respective ratio of volumes of cylinders A and B ?

- A 25 : 42
- B 23 : 42
- C 32 : 49
- D 30 : 49
- E 36 : 49

**Answer:** C

**Explanation:**

Volume of a cylinder =  $\pi r^2 h$

where r and h are the radius and height of the cylinder respectively.

The ratio of volumes of the two cylinders will be equal to the ratio of  $r^2 h$  of both the cylinders..

For cylinder 1  $r^2 h = 4^2 \times 2 = 32$

For cylinder 2  $r^2 h = 7^2 \times 1 = 49$

Ratio of their volumes =  $\frac{32}{49}$

Option C is the correct answer.

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**Question 70**

**At present, Aanshi is five years younger to Binny. Binny's age twenty years hence will be equal to twice of Aanshi's age five years ago. What will be Binny's age eight years hence ?**

- A 42 years
- B 35 years
- C 38
- D 30 years
- E 48 years

**Answer:** E

**Explanation:**

Let Anshi and Binny's ages be A and B.

$A = B - 5$

$B + 20 = 2(A - 5) = 2(B - 10)$

$B = 40$

8 years hence Binny's age will be 48.

Option E is the correct answer.

**Instructions**

In these questions, two equations numbered I and H are given. You have to solve both the equations and mark the appropriate option. Give answer :

- a: If relationship between x and y cannot be established
- b: If  $x < y$
- c: If  $x > y$
- d: If  $x \leq y$
- e: If  $x \geq y$

**Question 71**

I.  $9x^2 - 37x + 30 = 0$

II.  $3y^2 - 19y + 30 = 0$

- A If relationship between x and y cannot be established
- B If  $x < y$
- C If  $x > y$
- D If  $x \leq y$
- E If  $x \geq y$

**Answer: D**

**Explanation:**

Root of quadratic equation ( $ax^2 + bx + c = 0$ ) =  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

For equation I :  $a=9$ ,  $b = -37$  and  $c= 30$

On solving the quadratic equation I we get  $x = (3)$  or  $(20/18)$

For equation II :  $a=3$ ,  $b = -19$  and  $c= 30$

On solving the quadratic equation I we get  $y = (3)$  or  $(20/6)$

It is clear that  $y > x$

Option A is correct answer.

**Question 72**

I.  $2x^2 - 17x + 36 = 0$

II.  $5y^2 - 33y + 40 = 0$

- A If relationship between x and y cannot be established
- B If  $x < y$
- C If  $x > y$
- D If  $x \leq y$
- E If  $x \geq y$

**Answer: A**

**Explanation:**

Root of quadratic equation ( $ax^2 + bx + c = 0$ ) =  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

For equation I :  $a=2$ ,  $b = -17$  and  $c= 36$

On solving the quadratic equation I we get  $x = (4)$  or  $(18/4)$

For equation II :  $a=5$ ,  $b = -33$  and  $c= 40$

On solving the quadratic equation I we get  $y = (5)$  or  $(3/2)$

If  $y=5$  then  $y > x$

If  $y = 3/2$  then  $y < x$ .

A relationship cannot be established

Option A is correct answer.

## SBI PO Solved Previous Papers (Download PDF)

**Question 73**

I.  $12x^2 - 23x + 11 = 0$

II.  $21y^2 - 20y + 4 = 0$

- A If relationship between x and y cannot be established
- B If  $x < y$

C If  $x > y$

D If  $x \leq y$

E If  $x \geq y$

**Answer:** C

**Explanation:**

Root of quadratic equation ( $ax^2 + bx + c = 0$ ) =  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

For equation I :  $a=12$ ,  $b = -23$  and  $c= 11$

On solving the quadratic equation I we get  $x = (11/12)$  or  $(1)$

For equation II :  $a=21$ ,  $b = -20$  and  $c= 4$

On solving the quadratic equation I we get  $y = (28/42)$  or  $(12/42)$

It is clear that  $x > y$ .

Option B is correct answer.

**Question 74**

I.  $x^2 + 12x + 35 = 0$

II.  $7y^2 + 32y + 16 = 0$

A If relationship between  $x$  and  $y$  cannot be established

B If  $x < y$

C If  $x > y$

D If  $x \leq y$

E If  $x \geq y$

**Answer:** B

**Explanation:**

Root of quadratic equation ( $ax^2 + bx + c = 0$ ) =  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

For equation I :  $a=1$ ,  $b =12$  and  $c= 35$

On solving the quadratic equation I we get  $x = (-5)$  or  $(-6)$

For equation II :  $a=7$ ,  $b =32$  and  $c= 16$

On solving the quadratic equation I we get  $y = (-4)$  or  $(-8/14)$

It is clear that  $x < y$ .

Option B is correct answer.

**Question 75**

I.  $25x^2 + 20x + 3 = 0$

II.  $4y^2 + 11y + 6 = 0$

A If relationship between  $x$  and  $y$  cannot be established

B If  $x < y$

C If  $x > y$

D If  $x \leq y$

E If  $x \geq y$

**Answer:** C

**Explanation:**

$$\text{Root of quadratic equation } (ax^2 + bx + c = 0) = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

For equation I : a=25 , b =20 and c= 3

On solving the quadratic equation I we get x = (-30/50) or (-10/50)

For equation II : a=4 , b =11 and c= 6

On solving the quadratic equation I we get y = (-6/8) or (-16/8)

It is clear that x>y

Option C is correct answer.

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### Instructions

For the following questions answer them individually

### Question 76

A number is such that when it is multiplied by 6, it gives another number which is more than 168 as the original number itself is less than 168. What is 15% of the original number ?

- A 8.4
- B 7.8
- C 6.6
- D 8.8
- E 7.2

Answer: E

### Explanation:

Let the unknown number be x.

$$\text{Given } 6x - 168 = 168 - x$$

$$7x = 336$$

$$x = 48$$

$$15\% \text{ of } 48 = 0.15 \times 48 = 7.2$$

Option E is the correct answer.

### Question 77

Dharma invested P for 3 years in scheme A which offered 12% p.a. simple interest. She also invested P + 400 in scheme B which offered 10% compound interest (compounded annually), for 2 years. If the amount received from scheme A was less than that received from scheme B, by Rs.304/, what is the value of P?

- A Rs.1,400/-
- B Rs.1,000/-
- C Rs.1,500/-
- D Rs.960/-
- E Rs.1,200/-

Answer: E

### Explanation:

$$\text{Scheme A : Simple interest} = [(P \times 3 \times 12)/100] + P = (36P/100) + P$$

$$\text{Scheme B : Compound Interest} = (P+400)(1 + (10/100))^2 = (P+400)(11/10)^2 = (P+400)(121/100)$$

$$(36P/100) + P + 304 = (P+400)[(121/100)]$$

$$36P + 100P + 30400 = 121P + 48400$$

$$15P = 18000$$



P = 1200

Option E is the correct answer.

### Instructions

Study the following table carefully and answer the questions.

Dance School	Total no of students who have enrolled in the schools	% of enrolled students who are learning free style dance	Respective ratio of male and female students learning freestyle dance
A	200	25	2 : 3
B	400	28	7 : 9
C	150	30	2 : 7
D	300	24	9 : 3

### Question 78

The number of students (both male and female) who are learning freestyle in schools C and D together is what percent less than the number of students (both male and female) who are learning the same in schools A and B together ?

- A 24 6/5%
- B 23 2/3%
- C 26 1/9%
- D 27 7/9%
- E 28 1/6%

Answer: D

### Explanation:

Number of students learning free style in school A = 25 % of 200 = 50

Number of students learning free style in school B = 28 % of 400 = 112

Number of students learning free style in school C = 30 % of 150 = 45

Number of students learning free style in school D = 24 % of 300 = 72

Number of students learning free style in school A and B = 50 + 112 = 162

Number of students learning free style in school C and D = 45 + 72 = 117

$(162 - 117) / 162 = 27.77\% = 27 \frac{7}{9}\%$

Option D is the correct answer

## SBI PO Free Mocks (Latest Pattern)

### Question 79

What is the average number of students learning dance forms (other than freestyle) in schools B, C and D ?

- A 206
- B 207
- C 204
- D 205
- E 201

Answer: B

### Explanation:

Number of students learning free style in school B = 28 % of 400 = 112

Number of students learning free style in school C = 30 % of 150 = 45

Number of students learning free style in school D = 24 % of 300 = 72

Total number of students in schools B,C and D = 400+150+300 = 850.

Number of students learning dance forma other than free style in schools B , C and D = 850 - 112-45-72 =207

Option B is the correct answer.

#### Question 80

Out of the number of students (both male and female learning freestyle in school B,  $\frac{5}{8}$  are 15 years or above. If out of the total students who are 15 years or above, 30% are females, what is the number, of female students learning freestyle who are below 15 years ?

A 35

B 42

C 32

D 46

E 40

Answer: B

#### Explanation:

Number of students learning free style in school B = 28 % of 400 = 112

Number of female students learning free style in school B =  $112 \left( \frac{9}{16} \right) = 63$

Number of students 15 years or above =  $\left( \frac{5}{8} \right) 112 = 70$

Number of female students 15 years or above =  $70 \left( \frac{30}{100} \right) = 21$

Number of female students below 15 years  $63-21 = 42$ .

Option B is the correct answer.

#### Question 81

What is the respective ratio between the total number of male students learning freestyle in schools A and C together and the total number of female students learning the same in the same schools together ?

A 6 : 39

B 6 : 13

C 12 : 13

D 6 : 11

E 12 : 35

Answer: B

#### Explanation:

Number of students learning free style in school A = 25 % of 200 = 50

Number of male students learning freestyle dance in school A =  $50 \left( \frac{2}{5} \right) = 20$

Number of female students learning freestyle dance in school A =  $50 \left( \frac{3}{5} \right) = 30$

Number of students learning free style in school C = 30 % of 150 = 45

Number of male students learning freestyle dance in school C =  $45 \left( \frac{2}{9} \right) = 10$

Number of female students learning freestyle dance in school C =  $45 \left( \frac{7}{9} \right) = 35$

Number of male students learning freestyle dance in school A and C =  $20 + 10 = 30$

Number of female students learning freestyle dance in school A and C =  $30 + 35 = 65$

Ratio =  $30 : 65 = 6 : 13$

Option B is the correct answer



## SBI Clerk Free Mock Test (Latest Pattern)

### Question 82

What is the difference between the number of male students studying freestyle in schools B and D together and the total number of female students studying the same in the same schools together?

- A 22
- B 09
- C 26
- D 18
- E 12

Answer: A

#### Explanation:

Number of students learning free style in school B = 28 % of 400 = 112

Number of male students learning freestyle dance in school B =  $112 \left(\frac{7}{16}\right) = 49$

Number of female students learning freestyle dance in school B =  $112 \left(\frac{9}{16}\right) = 63$

Number of students learning free style in school D = 24 % of 300 = 72

Number of male students learning freestyle dance in school D =  $72 \left(\frac{9}{12}\right) = 54$

Number of female students learning freestyle dance in school D =  $72 \left(\frac{3}{12}\right) = 18$

Number of male students learning freestyle dance in school B and D =  $49 + 54 = 103$

Number of female students learning freestyle dance in school B and D =  $63 + 18 = 81$

Difference =  $103 - 81 = 22$

Option A is the correct answer

### Question 83

Percent profit earned when an article is sold for Rs.558/ is double the percent profit earned when the same article is sold for Rs.504/. If the marked price of the article is 30% above the cost price, what is the marked price of the article ?

- A 585/
- B 595/
- C 624/
- D 590/
- E 546/

Answer: A

#### Explanation:

Let Cost price be CP.

Profit by selling for 558 =  $(558 - CP)/CP$

Profit by selling for 504 =  $(504 - CP)/CP$

Given

Profit by selling for 558 =  $2 \times$  Profit by selling for 504

$(558 - CP)/CP = (504 - CP)/CP$

$(558 - CP) = 2(504 - CP)$

$558 - CP = 1008 - 2CP$

$CP = 450$

Marked Price (MP) = 30 % more than CP =  $1.3(450) = 585$

Option A is the correct answer.

#### Instructions

What will come in place of question mark (?) in the given number series ?

**Question 84**

150, 102, 70, 46, 26, ?

- A 7
- B 13
- C 8
- D 2
- E 12

**Answer: C**

**Explanation:**

The difference between the difference of each consecutive term is in decreasing order of power of 2, starting from 16.

$$150-102=48$$

$$102-70=32$$

$$70-46=24$$

$$46-26=20$$

The difference of differences

$$48-32=16$$

$$32-24=8$$

$$24-20=4$$

The next difference of difference must be 2.

Hence the next term in the series must be 18 less than 26 which is 8.

Option C is the correct answer.

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**Question 85**

10, 14, 24, 52, 134, ?

- A 351
- B 302
- C 368
- D 841
- E 378

**Answer: E**

**Explanation:**

The difference between two consecutive term is 2 less than thrice the difference between the previous two terms.

$$14-10=4$$

$$24-14=10$$

$$52-24=28$$

$$134-52=82$$

Each difference is 2 less than thrice the previous difference.

$$4 \times 3 - 2 = 10$$

$$10 \times 3 - 2 = 28$$

$$28 \times 3 - 2 = 82$$

Hence the next difference must be 2 less than thrice 82 which is 244.

The missing term is  $244 + 134 = 378$ .

Option E is the correct answer.

**Question 86**

24, 11, 10, 14, 27, ?

- A 67.5
- B 60.5
- C 66.5
- D 61.5
- E 62.25

**Answer: C**

**Explanation:**

$$11 = 24 \times (1/2) - 1$$

$$10 = 11(1) - 1$$

$$14 = 10(3/2) - 1$$

$$27 = 14(2) - 1$$

therefore, next term will be:

$$27(5/2) - 1 = 135/2 = 66.5$$

Option C is the correct answer.

**Question 87**

4500, 900, 90, 6, ?, 0.012

- A 0.3
- B 0.09
- C 0.9
- D 0.015
- E 0.03

**Answer: A**

**Explanation:**

Each successive term of the series is obtained by dividing the preceding term by increasing order of multiple of 5.

$$4500/5 = 900$$

$$900/10 = 90$$

$$90/15 = 6$$

$$\text{Next term is } 6/20 = 0.3$$

Option A is the correct answer.

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**Question 88**

8, 7, 12, 33, 128, ?

- A 672
- B 684
- C 635
- D 620

E 692

Answer: C

**Explanation:**

if n is the number denoting the position of the term then each term can be represented by

(n-1)th term  $\times (n-1) - (n-1)$

7 is the second term. n=2

(n-1)th term is 8.

$$8 \times 1 - 1 = 7$$

For 12 n=3

$$7 \times 2 - 2 = 12.$$

Similarly for the 6th term n=6

$$128 \times 5 - 5 = 635$$

Option C is the correct answer.

**Instructions**

What approximate value will come in place of question mark (?) in the given questions ? (You are not expected to calculate the exact value).

**Question 89**

$$3^? \times \sqrt{170} = 183.998 \div 8.001 + 328.02$$

A 2

B 4

C 1

D 5

E 3

Answer: E

**Explanation:**

Let the unknown power be a.

$$3^a \times \sqrt{170} = 183.998 \div 8.001 + 328.02$$

Round off the values to the nearest whole number.

$$3^a \times \sqrt{170} = 184 \div 8 + 328$$

$$\sqrt{170} \approx 13 (13^2 = 169)$$

$$3^a \times 13 = 23 + 328 = 351$$

$$3^a = \frac{351}{13}$$

$$3^a = 27$$

$$3^a = 3^3$$

$$a = 3$$

Option E is the correct answer.

**Question 90**

$$? \% \text{ of } (230.02 \times 7.89 - 559.85) = 960$$

A 20

B 80

C 60

D 70

E 75

**Answer:** E

**Explanation:**

Round off the values to the nearest whole number.

Let the unknown percentage be X.

$$X\% \text{ of } (230 \times 8 - 560) = 960$$

$$X\% \text{ of } (1840 - 560) = 960$$

$$X\% \text{ of } (1280) = 960$$

$$X\% = \frac{960}{1280}$$

$$X = 75\%$$

Option E is the correct answer.

**Question 91**

$$518.002 - 44.99 + 8.998 + 8.01^2 = ?$$

A 650

B 350

C 550

D 670

E 600

**Answer:** C

**Explanation:**

Round off the values to the nearest whole number.

$$518 - 45 + 9 + 8^2 = 546$$

The nearest answer is Option C.

Option C is the correct answer.

**Question 92**

$$358.98 \div 15.02 + 450.15 \div 8.992 + 56.02 = ?$$

A 230

B 200

C 180

D 150

E 130

**Answer:** E

**Explanation:**

Since approximate values are sufficient we can round off the values to the nearest whole number.

$$359 \div 15 \approx 24$$

$$359 \div 15 + 450 \div 9 + 56 = 24 + 50 + 56 = 130$$

Hence Option E is the correct answer.

**Question 93**

$$25\% \text{ of } 459 + 65.01 \div 5.02 = ?$$

- A 109
- B 128
- C 234
- D 80
- E 186

**Answer: B**

**Explanation:**

Since approximate values are sufficient we can round off the values to the nearest whole number.

$$25\% \text{ of } 460 + 65 \div 5$$

$$25\% \text{ of } 460 = 115$$

$$65 \div 5 = 13$$

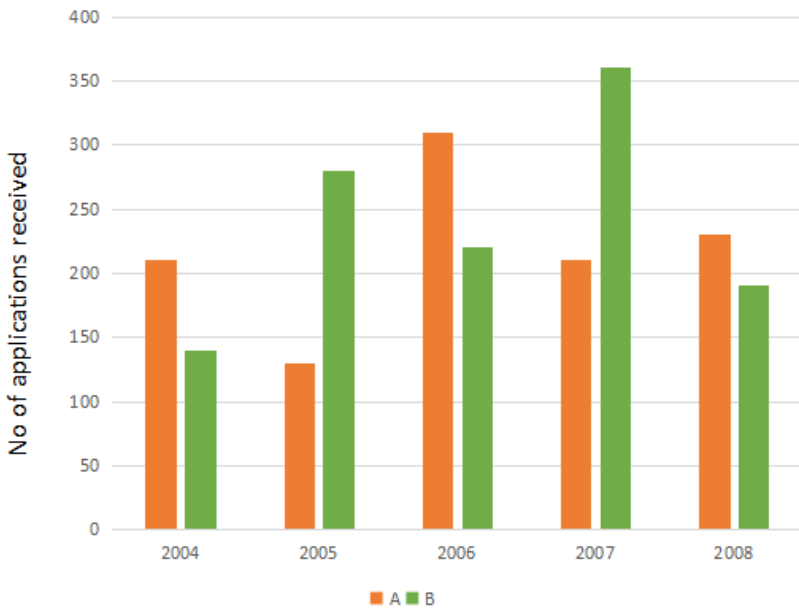
$$115 + 13 = 128$$

Option B is the correct answer

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**Instructions**

Refer to the bar graph and answer the given questions.



**Question 94**

In 2005, out of the total number of applications received for subjects A and B together, only 30% were accepted. What was the total number of applications accepted for subjects A and B together in 2005 ?

- A 121
- B 123
- C 129
- D 138
- E 132



**Answer: B**

**Explanation:**

The total number of applications received for subjects A = 280

The total number of applications received for subjects B = 130

The total number of applications received for subjects A and B in 2005 =  $280 + 130 = 410$

30 % of the total number of applications received for subjects A and B in 2005 =  $0.3 \times 410 = 123$

Option B is the correct answer.

**Question 95**

**In 2004, 30% of applications received for subject A and 20% of applications received for subject B were from international students. What was the total number of International applicants for subjects A and B together in 2004 ?**

A 91

B 97

C 89

D 93

E 87

**Answer: A**

**Explanation:**

30% of applications received for subject A =  $0.3 \times 210 = 63$

20% of applications received for subject B =  $0.2 \times 140 = 28$

Total number of International Applicants =  $63 + 28 = 91$

Option A is the correct answer.

**Question 96**

**If the respective ratio of total number of applications received for subjects A and B together in 2008 and 2009 is 3 : 4 what was the total number of applications received for subjects A and B together in 2009 ?**

A 500

B 560

C 400

D 520

E 508

**Answer: B**

**Explanation:**

Number of applications received for subject A in 2008  $\approx 230$

Number of applications received for subject B in 2008  $\approx 190$

Total applications in 2008 =  $230 + 190 = 420$

Ratio of number of applications in 2008 to 2009 = 3 : 4

Let the total number of applications in 2009 be X.

$$\frac{420}{X} = \frac{3}{4}$$

$$X = \frac{420 \times 4}{3}$$

$$X = 560$$

Option B is the correct answer.

**Question 97**

What is the average number of applications received for subject A in 2005, 2007 and 2008 ?

- A 190
- B 180
- C 170
- D 200
- E 160

**Answer: A**

**Explanation:**

Number of applications received for subject A in 2005  $\approx$  130

Number of applications received for subject A in 2007  $\approx$  210

Number of applications received for subject A in 2008  $\approx$  230

Average applications in 2005, 2007 and 2008 =  $(130+210+230)/3 = 190$

Option A is the correct answer.

**Question 98**

Number of applications received for subject B increased by what percent from 2004 to 2006 ?

- A  $54\frac{2}{7}\%$
- B  $42\frac{6}{7}\%$
- C  $57\frac{1}{7}\%$
- D  $48\frac{4}{7}\%$
- E  $58\frac{4}{7}\%$

**Answer: C**

**Explanation:**

Number of applications received for subject B in 2004  $\approx$  140

Number of applications received for subject B in 2006  $\approx$  220

Increase in application percentage =  $(220-140)/140$

$=80/140$

$=57.14\%$

$=57\frac{1}{7}\%$

Hence Option C is the correct answer.

**Instructions**

For the following questions answer them individually

**Question 99**

In a bag, there are 8 red balls and 7 green balls. Three balls are picked at random. What is the probability that two balls are red and one ball is green in colour ?

- A  $28/65$
- B  $22/65$
- C  $37/65$

D 3/13

E 1/13

**Answer: A**

**Explanation:**

The balls are drawn without replacement.

Probability of drawing green ball in first attempt =  $7/15$

Probability of drawing two red balls in the next two attempt =  $(8/14)(7/13)$

Probability of drawing 2 red and 1 green ball =  $(7/15)(8/14)(7/13) = 392/2730$

Probability of drawing red ball in first attempt =  $8/15$

Probability of drawing green ball in the next attempt =  $(7/14)$

Probability of drawing red ball in the next attempt =  $(7/13)$

Probability of drawing 2 red and 1 green ball =  $(8/15)(7/14)(7/13) = 392/2730$

Probability of drawing two red balls in first two attempts =  $(8/15)(7/14)$

Probability of drawing red ball in the next attempt =  $(7/13)$

Probability of drawing 2 red and 1 green ball =  $(8/15)(7/14)(7/13) = 392/2730$

Probability of drawing 2 red balls and 1 green ball =  $392/2730 + 392/2730 + 392/2730 = 3(392/2730) = 392/910 = 28/65$

Option A is the correct answer.

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**Question 100**

A vessel contains 120 litre of mixture of milk and water in the respective ratio of 11 : 4. Forty five litre of this mixture was taken out and replaced with 5 litre of water. What is the percentage of water in the resultant mixture ?

A 35

B 31.25

C 25

D 20

E 15

**Answer: B**

**Explanation:**

REASONING

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