# SSC CPO 11th Dec 2019 Shift-2

**Instructions**

For the following questions answer them individually

**Question 1**

**In a certain code language, pink is called wood, wood is called Pen, Pen is called colour and colour is called brown. In this language, which of the following is used for writing?**

**A**  Pink

**B**  Brown

**C**  Pen

**D**  Colour

   **Answer:** D

**Explanation:**

Given code language is  pink is called wood, wood is called Pen, Pen is called colour and colour is called brown.

then

used for writing  (we used to write pen )

the pen is called colour

therefore used for writing colour

Ans (D) Colour

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**Question 2**

**Select the option that is related to the third number in the same way as the second number is related to the first number.**
**428 : 717 :: 236 : ?**

**A**  713

**B**  349

**C**  339

**D**  249

   **Answer:** C

**Explanation:**

Given that 428: 717:: 236:?

From the above 428

$4 \times 2 = 8 \, (First\, digit \,\times\, second\, digit = thirddigit)$

717

$7 \times 1 = 7 (First\, digit \,\times\, second\, digit = thirddigit)$

236

$2 \times 3 = 6 (First\, digit \,\times\, second\, digit = thirddigit)$

In the same way option C is follow the above pattern

(C) 339

$3 \times 3 = 9 \, (First\, digit \times\, second\, digit = thirddigit)$

therefore Option (C) 339 Ans

**Question 3**

**Select the option that is related to the third term in the same way as the second term is related to the first term.**
**Field : Farmer :: Observatory : ?**

**A**  Telescope

**B**  Astronomer

**C**  Astronaut

**D**  Stars

**Answer:** B

**Explanation:**
Given that Field : Farmer:: Observatory:?

the Field is related to Farmer the same Observatory is related to Astronomer.

therefore? =Astronomer   Ans

**Question 4**

**Select the figure that can replace the question mark (?) in the following series.**

| X | O | = | @ X | ? |
|---|---|---|---|---|
|  | X | O | = |  |
|  |  | X | O |  |

A
| X |  | @ |
|---|---|---|
|  | O |  |
|  |  | = |

B
| X |  | O |
|---|---|---|
|  | @ |  |
|  |  | = |

C
| X |  |  |
|---|---|---|
|  | @ |  |
| O |  | = |

D
| = |  | O |
|---|---|---|
|  | @ |  |
|  | X |  |

**Answer:** B

**Explanation:**

Given figure

| X | O X | = O X | @ = X O | ? |
|---|---|---|---|---|

the above image follows the same pattern is given below

X          O
   @
          =

therefore? = (B) Ans

# SSC CHSL Prevoius Papers (DOWNLOAD PDF)

**Question 5**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
**Statements:**
1.Some dancers are singers.
2.No singer is an actor.
**Conclusions:**
I. Some actors are singers.
II. All singers are dancers.


**A**   Neither conclusion I nor II follows

**B**   Only conclusion I follows

**C**   Either conclusion I or II follows

**D**   Only conclusion II follows

   **Answer:** A


**Explanation:**
Given that **Statements:**
1. Some dancers are singers.
2.No singer is an actor

from the above statements we draw the figure



the above figure we check **Conclusions:**
I. Some actors are singers        false
II. All singers are dancers        false

therefore Neither conclusion 1  nor conclusion 2 follow

hence Option (A) Ans

**Question 6**

In a certain code language, GOURD is written as 21-4-5-10-24. How will BRINJAL be written in the same code language?

**A**   2-10-3-14-18-1-12

**B**   26-10-3-14-18-1-16

**C**   26-10-5-14-18-2-16

**D**   25-9-3-14-18-1-15

   **Answer:** B

**Explanation:**

Given that GOURD is written as 21-4-5-10-24

We know Vowel A, E, I, O, U and its position 1, 2, 3,4,5

according to this Alphabet position is written as A= 26 , B=25, C= 24 , D= 23 ..... and Z=1 .

then GOURD is written as

used position G= 20, O= 4, U = 5 , R= 9, D= 23

So, GOURD is written as 21-4-5-10-24  (here Consonant increase 1 position and vowel used same position)

then  BRINJAL is used position B= 25, R= 9, I= 3, N =13 , J= 17,A=1, L =15.

so  BRINJAL is written as 26-10-3-14-18-1-16 (where consonant increses 1 positon of alphabet position and vowel used same position )

therefore Option (B) 26-10-3-14-18-1-16 Ans

**Question 7**

**Rishabh starts walking towards west. After walking 70 m he turns to left and walks 35 m straight. He turns left again and walks 30 m, again he turns to the left and walks a distance of 35 m. How far is he from the starting point?**

**A**   60 m

**B**   100 m

**C**   70 m

**D**   40 m

   **Answer:** D

**Explanation:**

Rishab walking distance draw in the form of diagram is given below
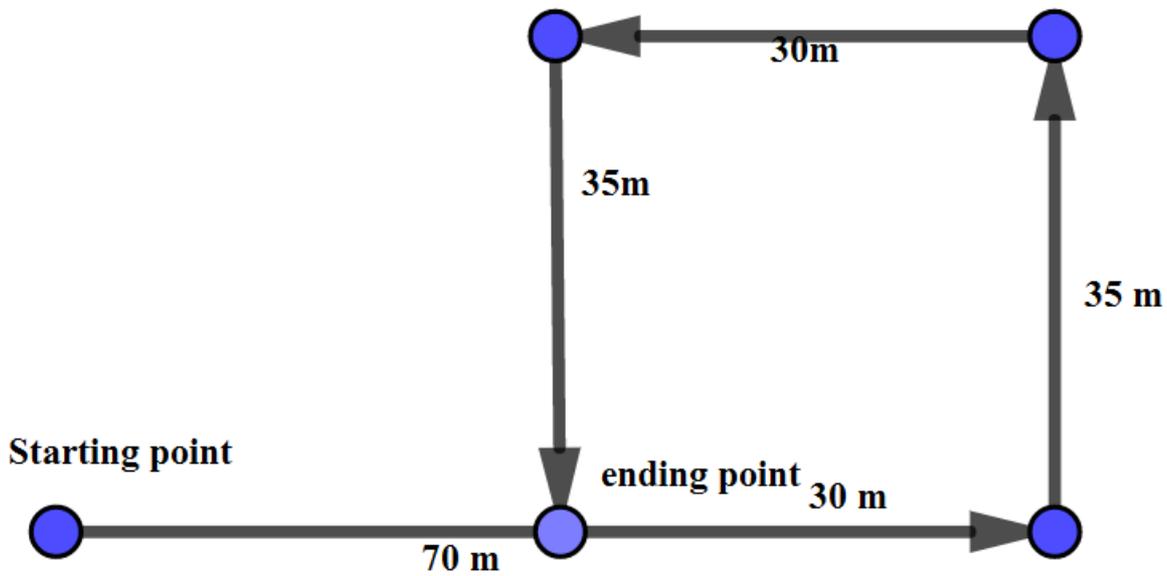
From the above diagram distance between starting point to ending point = 70m - 30 = 40 m

therefore Option (D) 40 m Ans

# SSC CHSL Free Mock Test (Latest Pattern)

**Question 8**

Select the Venn diagram that best represents the relationship between the following classes.
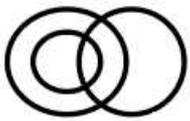Males, Fathers, Accountants

A 

B 

C 

D 

**Answer:** B

**Explanation:**
Given that Males, Fathers, Accountants

from the above Every father is males and every males and father also hold accountants maybe then represented in the form of Venn diagram is given below

therefore option (B) Ans

**Question 9**

**Select the option that is related to the third term in the same way as the second term is related to the first term.**
**NEEDLE : MFDEKF :: BUCKET : ?**

**A**   AVBLDS

**B**   AVBLDU

**C**   CVDLFS

**D**   CVBLDU

   **Answer:** B

**Explanation:**
Given that NEEDLE: MFDEKF:: BUCKET:?

We know that alphabet Position A=1,=2, C=3,D=4... Z=26

then N=14, E=5, D=4, L =12, M=13, F=6, K= 11, B=2, U=21, C=3, T=20

we represent  in the form of alphabet position

14 5 5 4 12 5 : 13 6 4 5 11 6 :: 2 21 3 11 5 20 :?

from the above the pattern is going on -1 , +1 decreasing alphabet and increasing alphabet position sequencelly

then ? =  (2-1) (21+1) (3-1) (11+1)(5-1) (20+1)

        = 1   22   2   12  4 21

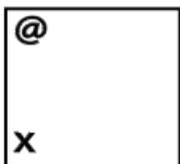? =   A V B L D U (represent in the form alphabet )

therefore ? = AVBLDU Ans

**Question 10**

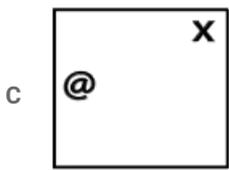**Select the figure that can replace the question mark (?) in the following series.**
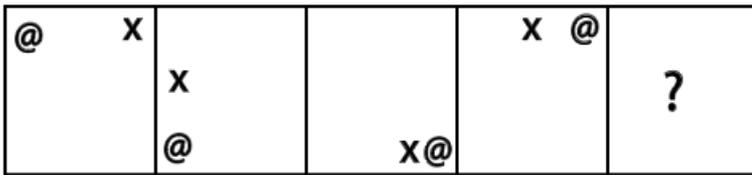
C



D

**Answer:** A

**Explanation:**
Given figure



from the above figure follow a pattern then? is given below



therefore option (A) Ans

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**Question 11**

**Select the correct combination of mathematical signs to replace \* signs and to balance the following equation.**
**(9 \* 8 \* 7) \* 13 \* 5**

A  $\times, =, \div, -$

B  $\times, -, \div, =$

C  $\div, -, =, \times$

D  $-, \div, \times, =$

**Answer:** B

**Explanation:**
Given expression (9 \* 8 \* 7) \* 13 \* 5

we check  mathematical signs to replace \* signs

we check option (A) but it is not staisfied similar option (B) but (A) is not staisfied

check option (B ) $\times, -, \div, =$ in the given expression

$(9 \times 8 - 7) \div 13 = 5$

From the LHS $(9 \times 8 - 7) \div 13$
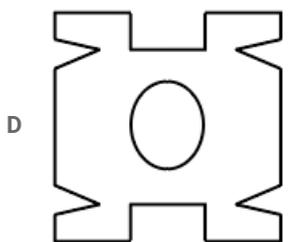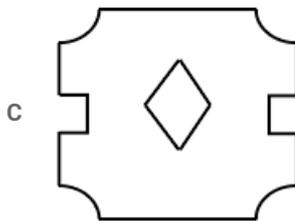
$\Rightarrow (65) \div 13$

$\Rightarrow 5$ RHS it is staisfied.

**Question 12**

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



A



B



C



D
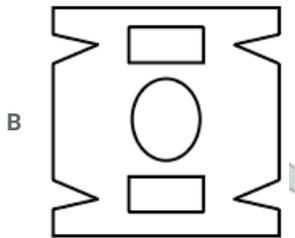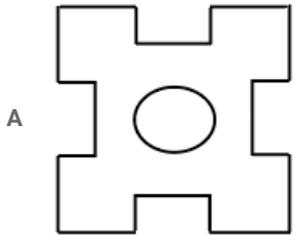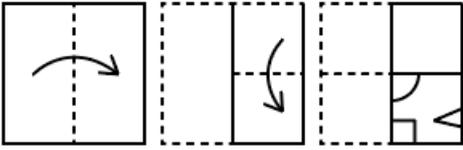


**Answer:** D

**Explanation:**

Given that The sequence of folding a piece of paper and the manner paper cut given below



from the above figure, we can unfold the figure then we obtain the given below
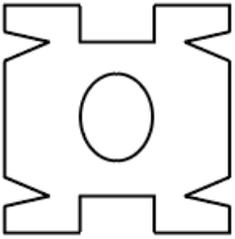
therefore Option (D) Ans

**Question 13**

**Mayank started driving from his office to the hotel. He drove 10 km towards north. From there, he turned right and drove 8 km. Then, he turned right and drove 6 km. Again, he turned right and drove 5 km and reached his hotel. What is the shortest distance from the office to his hotel?**

**A**  5 km

**B**  9 km

**C**  2 km

**D**  6 km

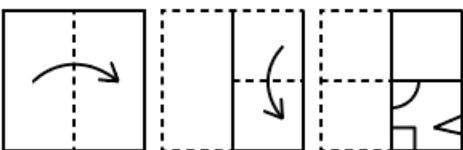   **Answer:** A

**Explanation:**

Mayank driving distance  draw the diagram is given below
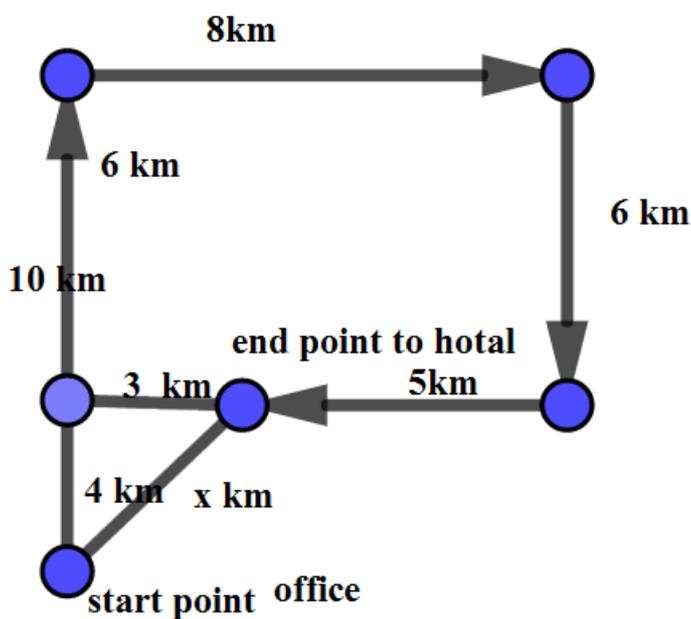


Let office to hotel  = x km

Using **Pythagorean theorem**,

then $x^2 = (4)^2 + (3)^2$

$$\Rigtharrow x^2 = 16+9$$

$$\Rightarrow x = \sqrt{25}$$

$$\Rightarrow x = 5 \text{ km Ans}$$

**SSC CPO Free Mock Test (Latest Pattern)**

**Question 14**

From the given options, select the figure which is embedded in the following figure (rotation is NOT allowed).



A



B



C



D
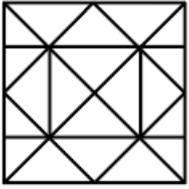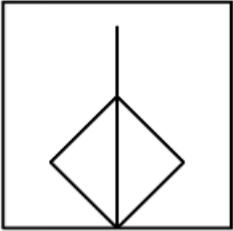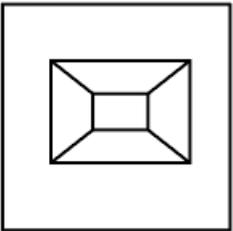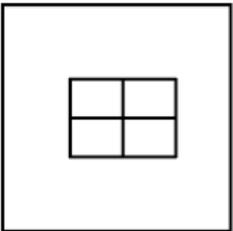


**Answer:** B

**Explanation:**
Given figure
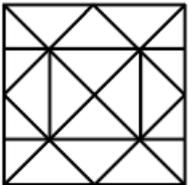


from the above figure is embedded
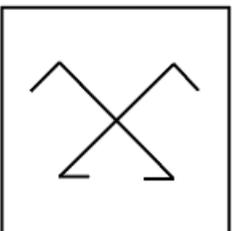
therefore option (B) Ans

**Question 15**

**Four words have been given out of which three are alike in some manner, while one is different. Choose the odd one.**

A   Melon

B   Apple

C   Rose

D   Orange

   **Answer:** C

**Explanation:**

Given options Melon, Apple, Orange are fruits but Rose is not fruits .

then Rose is different from the other given option

therefore (C) Rose Ans

**Question 16**

**Arrange the following words in the order in which they appear in an English dictionary.**
**1. Piquant**
**2. Pierce**
**3. Patent**
**4. Perjury**
**5. Pasture**

A   5, 3, 4, 2, 1

B   5, 3, 4, 1, 2

C   3, 4, 5, 1, 2

D   3, 5, 4, 1, 2

   **Answer:** A

**Explanation:**
From the given question words arranged in the English dictionary

then 5. Pasture 3. Patent 4. Perjury 2. Pierce 1. Piquant

therefore 5 3 4 2 1 Ans

## SSC CPO Previous Papers

**Question 17**

**Select the number that can replace the question mark (?) in the following series.**
**105, 107, 103, ?, 101, 111**

A   102

B   97

C   113

D   109

   **Answer:** D

**Explanation:**

Given series 105, 107, 103, ?, 101, 111

the given series is mixed two series

first 105-2 = 103 and 103-2 101

second is 107+2 = 9 and 109+2= 111

therefore ? 107+2 = 109 Ans

**Question 18**

**Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.**
**Statement:**
**"On October 2, let us pledge to make the country free of single-use plastic."- Prime Minister of India**
**Conclusions:**
**I. All Indians should reduce and then completely eliminate the consumption of single-use plastic like packaged drinking water**
**II. India is going to be completely plastic free on October 2**

**A**   Only conclusion I follows

**B**   Both conclusions I and II follow

**C**   Only conclusion II follows

**D**   Neither conclusion I nor II follows

   **Answer:** A

**Explanation:**

Given that **Statement:**
"On October 2, let us pledge to make the country free of single-use plastic."- Prime Minister of India

From the above we check **Conclusions:**
I. All Indians should reduce and then completely eliminate the consumption of single-use plastic like packaged drinking water
 Follows
II. India is going to be completely plastic free on October 2      not follows

, therefore, the Only Conclusion I follows

Hence Option (A) Ans

**Question 19**

**'Needle' is related to 'Sew' in the same way as 'Microscope' is related to '_____'.**
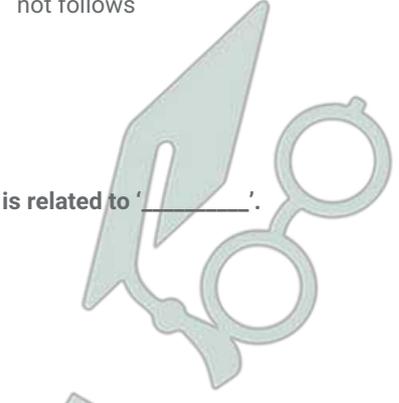
**A**   Lens

**B**   Laboratory

**C**   Magnify

**D**   Science

   **Answer:** C

**Explanation:**

From the Above Needle is used to Sew in the same way a Microscope is used to Magnify

therefore (C) Magnify Ans

**Question 20**

If the given figure is folded to form a cube, which sign will come opposite '+'?

| @ | * | $ |
|---|---|---|
|   | # |   |
|   | % |   |
|   | + |   |

**A** $

**B** @

**C** %

**D** #
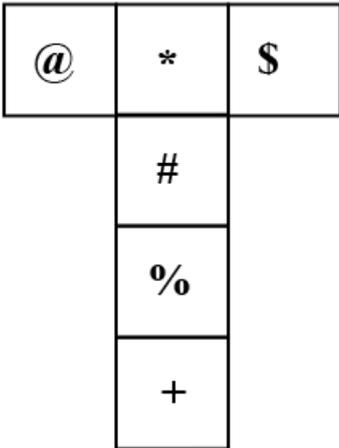
**Answer:** D

**Explanation:**
Given figure,

| @ | * | $ |
|---|---|---|
|   | # |   |
|   | % |   |
|   | + |   |
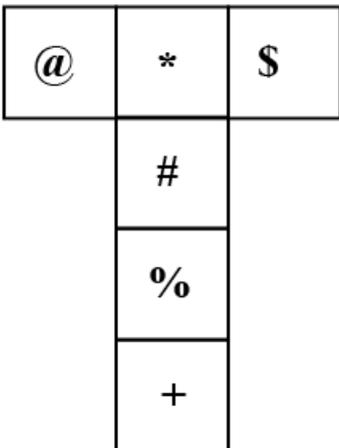
From the above the all symbols opposite side symbols shown in the given below figure

| @ | * | $ |
|---|---|---|
|   | # |   |
|   | % |   |
|   | + |   |
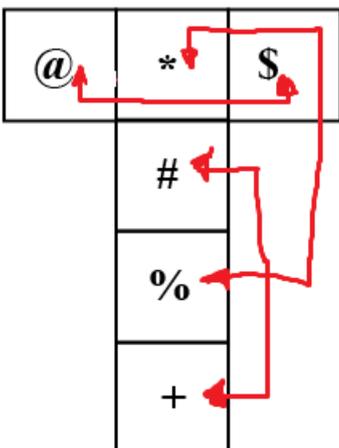
then the sign will come opposite '+' is # (from the figure )

therefore Option (D) # Ans

**Question 21**

Select the option that is related to the fourth term in the same way as the first term is related to the second term.
ULJ : POO :: ? : KRT

A  PIO

B  FMO

C  FIY

D  PIY

   **Answer:** A

**Explanation:**
Given that ULJ : POO::? : KRT

We know alphabet position A=1, B=2, C=3, D=4 ......... z=26

the above represent in the form alphabet

21 12 10: 16 15 15 :: ? : 11 18 20

the above pattern -5 ,+3, +5

then ? = (11+5) (18-3)(20-5)

? = 16 15 15

? = P  O O Ans

**Question 22**

Select the letter that can replace the question mark (?) in the following series.
K, I, G, E, C, ?

A  A

B  B

C  D

D  Z

   **Answer:** A

**Explanation:**
Given alphabet series K, I, G, E, C,?

We know that alphabet position A = 1, B=2, C=3 ...... Z=26

then series in the form of alphabet position

11, 9, 7, 5, 3, ?

every alphabet position descending order in 2 places next

Next? = 3-2

? = 1 (A) Ans

## SSC CGL Free Mock Test (Latest Pattern)

**Question 23**

Which two signs need to be interchanged to make the following equation correct?
$$32 - 8 \div 4 + 5 \times 6 = 30$$

**A** $$\times and +$$

**B** $$\times and \div$$

**C** $$\div and -$$

**D** $$\div and +$$

   **Answer:** C

**Explanation:**

From the given expression $$32 - 8 \div 4 + 5 \times 6 = 30$$

we check option (A) , (B),(D) similar to given below

we check option (C) $$ \div and - $$

we interchange sign in the given expression

$$32 \div 8 - 4 + 5 \times 6 = 30$$

from LHS $$ 32 \div 8 - 4 + 5 \times 6$$

$$\Rightarrow 4 - 4 + 30$$

$$\Rightarrow 30 $$ RHS it is staisfied .

therefore option (C) Ans

**Question 24**

**Four groups of numbers have been given, out of which three are alike in some manner and one is different. Select the group that is different.**

**A** 632 : 325 : 236

**B** 561 : 615 : 165

**C** 289 : 829 : 928

**D** 426 : 642 : 246

   **Answer:** A

**Explanation:**

Given option check (B)561:615:165

the above is pattern follow that is three-digit number interchange the position.

check option (C)289:829:928

same as the above is pattern follow that is three-digit number interchange the position.

check option (D) 426: 642 : 246

is also follow the pattern the above is pattern follow that is three-digit number interchange the position.

check option (A)632:325:236 it does not follow the same pattern (the above is pattern follow that is three-digit number interchange the position.)

therefore option (A) different to the another option

 Ans = (A) 632:325:236

**Question 25**

**Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.**

**A** 48 - 81

**B** 64 - 100

**C** 25 - 36

**D** 16 - 49

   **Answer:** A

**Explanation:**

From the given Option (B), (C),(D) is follow the same pattern given below

(B) 64: 100 it is perfect square 8 and 10

(C)25:36 it is a perfect square of 5 and 6

(D)16:49 it is also a perfect square of 4 and 7

But Option (A) does not follow the perfect square pair

(A) 48: 81  where 48 is not a perfect square and 9 is a perfect square of 81

therefore (A) 48:81 is different from the given option

Ans (A) 48:81

# SSC CGL Previous Papers (DOWNLOAD PDF)

**Question 26**

**Select the number that can replace the question mark (?) in the following series.**
**40, 44, 22, 26, 13, ?**

**A** 16

**B** 20

**C** 17

**D** 22

   **Answer:** C

**Explanation:**

Given series  40, 44, 22, 26, 13,?

the given series follow pattern  follow   increase  4 and divide by 2

then

40 +4 = 44 , $44 \div 2 = 22$, 22 + 4 = 26, $26 \div 2 = 13$

therefore ? = 13 +4  = 17 Ans

**Question 27**

**Which of the given options would be a meaningful ascending order of the following words?**
**1.Star**
**2.Satellite**
**3.Galaxy**
**4.Planet**
**5.Universe**

**A** 5, 1, 3, 2, 4

**B** 3, 1, 5, 2, 4

**C** 2, 1, 5, 3, 4

**D** 5, 3, 1, 4, 2

**Answer:** D

**Explanation:**

Given the words, we arrange meaningful ascending order

then

5.Universe 3.Galaxy 1.Star 4.Planet 2.Satellite

therefore 5 3 1 4 2 Ans

**Question 28**

**Select the option in which the number set shares the same relationship as that shared by the given number set.
(101, 106, 131)**

**A** (29, 34, 39)

**B** (123, 128, 153)

**C** (170, 202, 137)

**D** (419, 424, 437)

**Answer:** B

**Explanation:**

Given that (101, 106, 131)

the above is follow the pattern 106- 101= 5 and 131-106 = 25

in the same pattern follow the given option only

option (B)(123,128,153)

128-123= 5

and 153-128 = 25

therefore option (B) is show the same relationship the given set

hence (B)(123,128,153) Ans

# Daily Free SSC Practice Set

**Question 29**

**Study the given pattern carefully and select the number that can replace the question mark (?)in it.**

| 4 | 18 | 23 |
|----|-----|----|
| 19 | 330 | ? |
| 3 | 6 | 1 |

**A** 350

**B** 530

**C** 529

**D** 550

**Answer:** B

**Explanation:**

Given pattern follow

First column $$(4)^2 + 3 = 16+3 = 19$$

second column $$(18)^2 + 6 = 324+ 6 = 330$$

Next column $$(23)^2 +1 = 529 +1 = 530$$ Ans

**Question 30**

**Four words have been given out of which three are alike in some manner, while one is different. Choose the odd one.**

**A**  Thesaurus

**B**  Dictionary

**C**  Book

**D**  Encyclopaedia

   **Answer:** C

**Explanation:**
Given that Thesaurus, Dictionary, Encyclopaedia is similar  which gives meaning

But the Book is different .

therefore Option (C) Book  Ans

**Question 31**

**Select the number that can replace the question mark (?) in the following series.**
**1, 11, 35, 79, ?, 251**

**A**  152

**B**  149

**C**  105

**D**  150

   **Answer:** B

**Explanation:**
 Given series 1, 11, 35, 79, ?, 251

the given series follow the pattern

1 = $$(1)^3 + (1)^2 -1$$

11= $$(2)^3+ (2)^2 -1$$

35 = $$(3)^3+ (3)^2 -1$$

79 =$$(4)^3+ (4)^2 -1$$

next ? = $$(5)^3+ (5)^2 -1$$

? = 125 +25 -1

? = 150-1

? = 149 Ans

**General Science Notes (Download PDF)**

**Question 32**

**Select the letter-cluster that can replace the question mark (?) in the following series.**
**TXB, QWE, NVH, KUK, ?**

**A** ITM

**B** HSN

**C** JTM

**D** HTN

   **Answer:** D

**Explanation:**

Given that series TXB, QWE, NVH, KUK,?

we know that alphabet position A=1, B=2, C=3,...... and so on

then we represent given series in the form of alphabet position

20 24 2, 17 23 5, 14 22 8 , 11 21 11 , ?

from the above series going on this pattern first decreases -3 to next, second decreases -1 and the last third is increased 3 positions of an alphabet.

then in the same pattern? = (11-3) (21-1) (11+3)

? = 8 20 14 (H T N)

therefore? = HTN Ans

**Question 33**

Which of the options is the exact mirror image of the given figure when the mirror is held at the right side?



**A** 

**B** 

**C** 

**D**
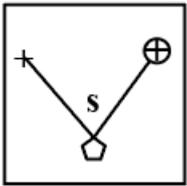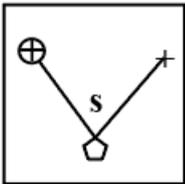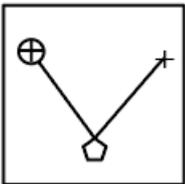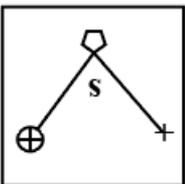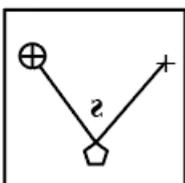
**Answer:** D

**Explanation:**
Given image
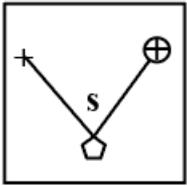


from the mirror image concept, the mirror is held at the right side given below
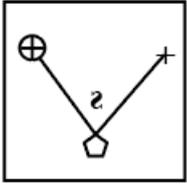


therefore option (D) Ans

**Question 34**

**If W = 46, BAT = 46, then 'LAMB' will be equal to:**

**A**  54

**B**  56

**C**  52

**D**  28

   **Answer:** B

**Explanation:**
 We know that A =1, B=2, C=3... Z=26 and so on

Given that   W = 46 can be written as $$ 23 \times 2 = 46 $$ ( where W = 23 is position alphabet )

and B A T = 2 + 1 + 20 = 23 is written as $$ 23 \times 2 = 46 $$

Similarly, L A  M B = 12+ 1+ 13+ 2 = 28 is writtens as $$  28 \times 2 = 56 $$ Ans

# SSC Stenographer Previous Papers (DOWNLOAD PDF)

**Question 35**

**If in a certain code, HORSE is written as GINPQSRTDF, How will JOCKEY be written in that language?**

**A**    KIPNBDJLDFXZ

**B**    IKNPBDJLDFXZ

**C**    KINPBDJLDFZX

**D**    IKNPDBJLFDZX

   **Answer:** B

**Explanation:**
 Given that HORSE is written as GINPQSRTDF,

HORSE is used previous and next alphabet (ie  H = G I, O  = N  P ... And so on )

therefore  J O C K E Y Written as

= I K N P B D J L D F X Z Ans

**Question 36**

If $+$ means $-$, $-$ means $\times$, $\times$ means $\div$, and $\div$ means $+$, then what will be the value of following expression?
$$12 - 3 + 15 \times 5 \div 6 = ?$$

**A** 42

**B** 33

**C** 40

**D** 39

**Answer:** D

**Explanation:**

Given expression $12 - 3 + 15 \times 5 \div 6 = ?$

$12 \times 3 - 15 \div 5 + 6 = ?$ ( We change the Sign according to given in question)

$\Rightarrow 12 \times 3 - 3 + 6 = ?$

$\Rightarrow 36 - 3 + 6 = ?$

$\Rightarrow 42 - 3 = ?$

$\Rightarrow 39 = ?$

$\Rightarrow ? = 39$ Ans

**Question 37**

Four groups of numbers have been given, out of which three are alike in some manner and one is different. Select the group that is different.

**A** 17 : 102 : 204

**B** 12 : 72 : 144

**C** 14 : 90 : 180

**D** 26 : 156 : 312

**Answer:** C

**Explanation:**

From the given option (A),(B),(D) is follow the same pattern is given below

(A) 17:102:204 is follow pattern $17: 17\times 6$

$\Rightarrow 17:102: 102\times 2$

$\Rightarrow 17:102:204$

same option (B) 12:72 :144

$12 : 12\times 6$

$\Rightarrow 12: 72: 72\times 2$

$\Rightarrow 12:72:144$

same as option (D) 26:156:312

$26:26\times 6$

$26: 156 :156\times 2$

$26:156: 312$

But option (C)14:90:180 is not follow the pattern

$$14: 14\times 6 $$

$$\Rightarrow 14:84 $$

$$\Rightarrow 14: 84:84\times 2 $$

$$\Rightarrow 14 : 84 : 168$$

therefore option (C ) is odd from the given option

then (C) 14:90:180 Ans

# SSC Stenographer Previous Papers (Latest Pattern)

**Question 38**

Which of the options is the exact mirror image of the given figure when the mirror is held at the right side?

jsVR72k59moPG

A  Ɔꟼom 9ꙅꓘ2ꓤVꙅį

B  įꙅVꓤ2ꓘꙅ9moꟼƆ

C  įꙅVꓤ72ꓘ59moꟼƆ

D  Ɔꟼom9ꙅꓘ2ꓤVꙅį

**Answer:** C

**Explanation:**
Given image

jsVR72k59moPG

from the above figure mirror image concept, the mirror image is held at the right side given below

Ɔꟼom9ꙅꓘ2ꓤVꙅį

therefore option (C) Ans

**Question 39**

Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
**19 : 23 :: 11 : 13 :: 7 : ?**

A  3

B  5

C  9

D  11

**Answer:** D

**Explanation:**
Given that

19 :: 23 :: 11 : 13 :: 7 : ?

from the above pattern, the relation is Next prime number

here 19 is a prime number and next prime number 23 then it is 19: 23

same as 11 is a prime number and next prime number 13 then it is 11: 13

then 7 is a prime number and next prime number11 then it is 7: 11

therefore? = 11 Ans

**Question 40**

**Select the option in which the numbers share the same relationship as that shared by the given pair of numbers**
**56 - 63**

**A**   154 - 171

**B**   104 - 117

**C**   134 - 153

**D**   28 - 39

   **Answer:** B

**Explanation:**
Given that 56:63

so given option check pattern same

$$ 56 = 7 \times 8 $$

$$ 63 = 7 \times 9 $$

then we check in the option same pattern follow

$$ 104 = 13 \times 8 $$

$$ 117 = 13 \times 9 $$

therefore option  (B) 104-117 Ans

<span style="color:purple">**SSC CGL Tier-2 Previous Papers PDF**</span>

**Question 41**

**Select the Venn diagram that best represents the relationship between the following classes.**
**Star, Sun, Polaris**

A


B


C

D
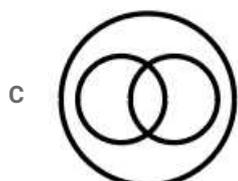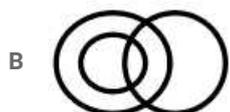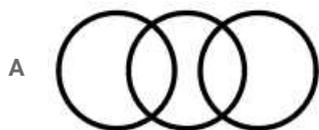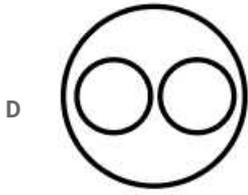


**Answer:** D

**Explanation:**

Given that Star, Sun, Polaris

we know that star, Polaris is part of the sun then represent in the form of Venn diagram is given below
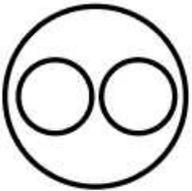


therefore option (D) Ans

**Question 42**

**Select the figure that can replace the question mark (?) in the following series.**

| < | * | * | o | o | + | + | ? | ? |
|---|---|---|---|---|---|---|---|---|
| o | c | + | < | ? | * | > | o | |

A



B



C



D
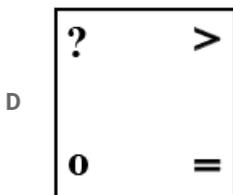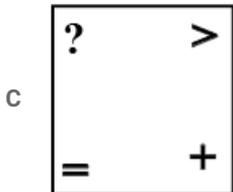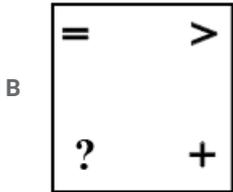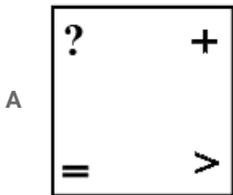


**Answer:** C

**Explanation:**

Given that

| < | * | * | o | o | + | + | ? | |
|---|---|---|---|---|---|---|---|---|
| o | c | + | < | ? | * | > | o | **?** |

From the above Left side replace Right side symbols cross position but top right side symbol shift to left after replacing but bottom left side always news symbols add each box

then? =

| ? | > |
|---|---|
| = | + |

therefore Option (C) Ans

**Question 43**

How many triangles are present in the given figure?
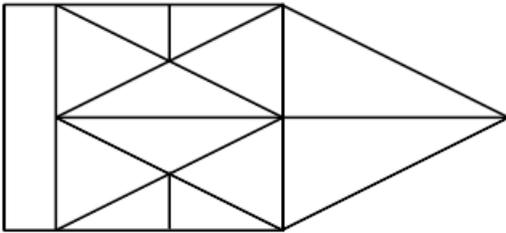


A  17

B  26

C  28

D  27

 **Answer:** D

**Explanation:**
Given figure
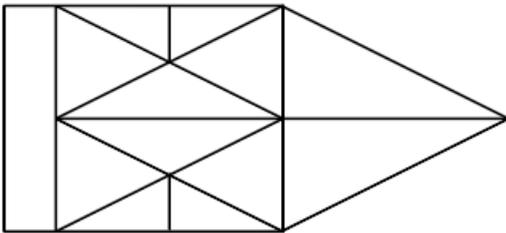


from the given figure  if we count the triangle  then

total triangle = 27 Ans

**Question 44**

In the given Venn diagram, the triangle represents politicians, the circle represents lawyers, the rectangle represents teachers and the square represents businessmen. The numbers given in the diagram represent the number of persons of that particular category.
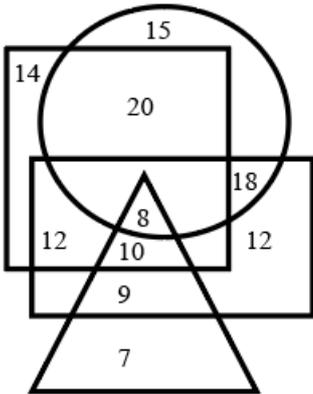


How many lawyers are also teachers, but are neither politicians nor businessmen?

**A** 10

**B** 7

**C** 18

**D** 12

   **Answer:** C

**Explanation:**
Given the Venn diagram
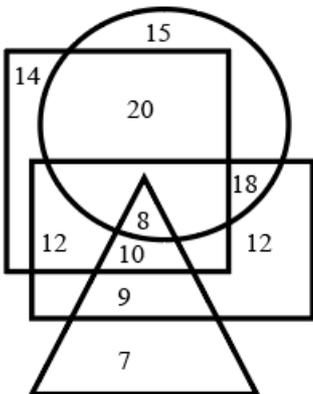


 the triangle represents politicians, the circle represents lawyers, the rectangle represents teachers and the square represents businessmen.

then

lawyers are also teachers but are neither politicians nor businessmen = 18 (from the above Venn diagram) Ans

**Question 45**

Select the option in which the words share the same relationship as that shared by the given pair of words.
**Players : Team**

**A** Class : Students

**B** Flowers : Bouquet

**C** Grapes : Dozen

**D** Band : Musician

   **Answer:** B

**Explanation:**

Given that Players: Team

from the above line, we can say that players make a team in the same way Flowers makes a Bouquet.

therefore Option (B) Ans

**Question 46**

**Select the option in which the words share the same relationship as that shared by the given pair of words.**
**Touch : Push**

**A** Speak : Shout

**B** Refuse : Accept

**C** Run : Walk

**D** Eat : Drink

   **Answer:** A

**Explanation:**

Given that Touch: Push

from the above Touch and push is give the Similar to each other

then in the option same relationship follow in the option is given below

(A) Speak: Shout

speak and Shout is similar to each other

therefore Option (A) Speak: shout Ans

# SSC Study Material

**Question 47**

**From the given options, select the figure which is embedded in the following figure (rotation is NOT allowed).**



A



B

**C**



**D**
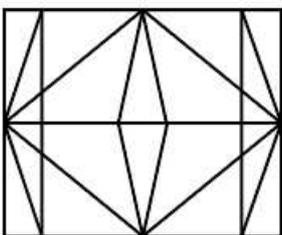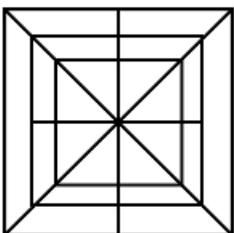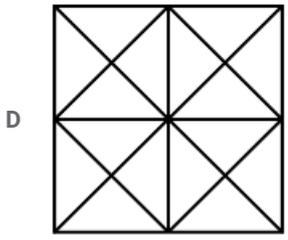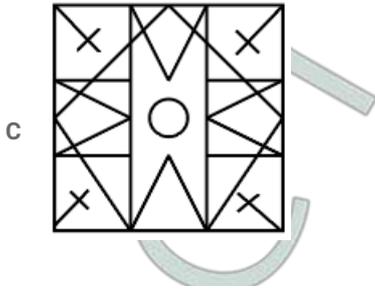


**Answer:** D

**Explanation:**
Given image



the above image is embedded in the given option is given below
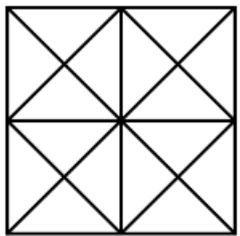


therefore option (D) Ans

**Question 48**

**Four numbers have been given out of which three are alike in some manner, while one is different. Choose the odd one.**

**A**  18

**B**  25

**C**  24

**D**  33

**Answer:** B

**Explanation:**
From the given option 25 is square of 5 But 18, 24, 33 is not a pure square of any numbers

then  25 is different from the other option.

therefore option (B) 25 Ans

**Question 49**

**Four pairs of letter-cluster have been given out of which three are alike in some manner, while one is different. Choose the odd one.**

**A**  GJB - ROW

**B**  EFR - VUI

**C** DFL - USM

**D** IKN - PNK

   **Answer:** B

**Explanation:**
The given option (B) EFR-VUI is different because it is opposite relationship hold that means we know E opposite alphabet V, F opposite alphabet U and R opposite alphabet I

the other option does not hold that pattern, then option (B ) is different (due to opposite alphabet position )

therefore (B ) Ans

# SSC Daily Practice Set

**Question 50**

**Four letter-cluster have been given out of which three are alike in some manner, while one is different. Choose the odd one.**

**A** NOQST

**B** EGIKM

**C** BDFHJ

**D** QSUWY

   **Answer:** A

**Explanation:**
From the above option (B)EGIKM (C) BDFHJ (D) QSUWY

the above three followed the same pattern given below

We know that A=1, B=2, C=3, D=4 ..... Z=26

then (B) 5 7 9 11 13 every alphabet difference 2 alphabet position increase left to Right.

(C) 2 4 6 8 10 every alphabet difference 2 alphabet position increase left to Right.

(D) 17 19 21 23 25 every alphabet difference 2 alphabet position increase left to Right.

but the option does not follow that pattern

(A) NOQST wrote in the form of alphabet position 14 15 17 19 20 it difference increase left to Right 1, 2, 2, 1

therefore option (A) NOQST is different from to the another given option

Ans = NOQST

# SSC GK Free Tests

# General Knowledge and General Awareness

**Instructions**
For the following questions answer them individually

**Question 51**

**Who, before going to the gallows, had expressed his desire for keeping his ashes intact till India is reunited and throwing them into the Indus after the reunification has been achieved?**

**A** Uddham Singh

**B** Nathuram Godse

**C** Surya Sen

**D** Bhagat Singh

Answer: B

# Current Affairs Question and Answers (Download PDF)

**Question 52**

**Which of the following activities is also referred to as 'Gold Collar' profession?**

**A** Secondary

**B** Quaternary

**C** Primary

**D** Quinary

Answer: D

**Question 53**

**Who holds the record of scoring the fastest goal (in the eleventh second) in a FIFA World Cup match?**

**A** Hakan Sukur

**B** Pele

**C** Cristiano Ronaldo

**D** Kylian Mbappe

Answer: A

**Question 54**

**Which among the following has its latitude within one degree of that New Delhi?**

**A** Amarnath Cave

**B** City of Islamabad

**C** City of Dhaka

**D** Mount Everest

Answer: D

# Daily and Monthly Current Affairs (Download PDF)

**Question 55**

**Which Indian was awarded the Chiratae Ventures' Patrick J. McGovern Lifetime Achievement Award 2019?**

**A** Narayan Murthy

**B** Uday Kotak

**C** Ratan Tata

**D** Shiv Nadar

   **Answer:** C

## Question 56

Which of the following films is set in the backdrop of the India-China War of 1962?

**A** Hazaaron Khwaishein Aisi

**B** Haqeeqat

**C** Roja

**D** Aakrosh

   **Answer:** B

## Question 57

The temple at Lepakshi famous for its hanging pillars and constructed in Vijayanagara style is also called _____ temple.

**A** Mahalakshmi

**B** Veerabhadra

**C** Mahakaal

**D** Murugan

   **Answer:** B

## Question 58

Which among the following political parties was a part of NDA during the 2019 general elections?

**A** AITC

**B** LJP

**C** DMK

**D** RJD

   **Answer:** B

## Question 59

As per the India State of Forest Report 2017, which of the following states has the maximum percentage of forest cover in relation to its area?

**A** Maharashtra

**B** Odisha

**C** Assam

**D** Mizoram

   **Answer:** D

**Question 60**

**Which of the following is NOT an official language of the United Nations?**

**A**   English

**B**   Arabic

**C**   Japanese

**D**   Chinese

 **Answer:** C

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**Question 61**

**Rajwada palace (Cultural Heritage Project) is located at:**

**A**   Jabalpur

**B**   Mandu

**C**   Ujjain

**D**   Indore

 **Answer:** D

**Question 62**

**Which among the following is responsible for the rotation of the plane of oscillation of Foucault's pendulum?**

**A**   Centripetal force

**B**   Viscous drag of air

**C**   Centrifugal force

**D**   Coriolis force

 **Answer:** D

**Question 63**

**The birth place of Subhash Chandra Bose is:**

**A**   Cuttack

**B**   Hazaribagh

**C**   Patna

**D**   Kolkata

 **Answer:** A

**SSC CHSL Prevoius Papers (DOWNLOAD PDF)**

**Question 64**

Who used the pseudonym 'Bhanusingha'?

**A**  Bankim Chandra Chattopadhya

**B**  Sunil Gangopadhya

**C**  Rabindranath Tagore

**D**  Michael Madhusudan Dutt

   **Answer:** C

**Question 65**

Who holds the record of most 150-plus runs in a test match innings as a captain?

**A**  Ricky Ponting

**B**  Wally Hammond

**C**  Virat Kohli

**D**  Don Bradman

   **Answer:** C

**Question 66**

Where was the venue of US Open Tennis Championship before it shifted to the Flushing Meadows?

**A**  Forest Hills

**B**  Plaza District

**C**  Woodmond Hills

**D**  Lexington

   **Answer:** A

## SSC CHSL Free Mock Test (Latest Pattern)

**Question 67**

Which one of the following diseases is caused mainly by the deficiency of Vitamin C?

**A**  Goitre

**B**  Rickets

**C**  Scurvy

**D**  Kwashiorkor

   **Answer:** C

**Question 68**

In which year was the World Trade Organization established?

**A** 1952

**B** 1942

**C** 1947

**D** 1995

Answer: D

## Question 69

Which among the following regarding GST is correct?

**A** GST network was formed under Companies Act

**B** The 100th Amendment introduced GST in the country

**C** Centre holds 100 per cent stake in GST network

**D** GST council is a statutory body

Answer: A

## Free SSC Study Material (18,000 Solved Questions)

## Question 70

Sapphire and ruby are varieties of natural:

**A** aluminium sulphide

**B** aluminium hydroxide

**C** aluminium carbonate

**D** aluminium oxide

Answer: D

## Question 71

'Powa Mecca' in Assam is the tomb of _____.

**A** Pir Giasuddin Auliya

**B** Shujauddin Mohammed Shah

**C** Khwaja Bande Nawaz

**D** Sheikh Salim Chisti

Answer: A

## Question 72

Which among the following is the confluence of Alaknanda and Mandakini?

**A** Vishnuprayag

**B** Nandprayag

**C**   Rudraprayag

**D**   Devprayag

    **Answer:** C

## SSC CPO Free Mock Test (Latest Pattern)

**Question 73**

**Hirakud dam is built across the river:**

**A**   Betwa

**B**   Mahanadi

**C**   Krishna

**D**   Godavari

    **Answer:** B

**Question 74**

**How many times has India won the ICC U-19 World Cup?**

**A**   Two

**B**   One

**C**   Four

**D**   Three

    **Answer:** C

**Question 75**

**The famous mathematician Srinivasa Ramanujan was born in:**

**A**   Madras (now Chennai)

**B**   Kumbakonam

**C**   Namakkal

**D**   Erode

    **Answer:** D

## SSC CPO Previous Papers

**Question 76**

**The famous physician Jeevaka was appointed by the court of:**

**A**   Krishnadeva Raya

**B**   Samudragupta

**C**   Ashoka

**D**   Bimbisara

   **Answer:** D

## Question 77

**Jagannath Mishra was the three-time Chief Minister of the state of _____ .**

**A**   Haryana

**B**   Uttar Pradesh

**C**   Odisha

**D**   Bihar

   **Answer:** D

## Question 78

**Which among the following combination is present in higher amount in hard water?**

**A**   Calcium and magnesium

**B**   Calcium and sodium

**C**   Sodium and magnesium

**D**   Sodium and manganese

   **Answer:** A

## 1500 + Free Must Solved SSC Questions (With Solutions)

## Question 79

**In the context of NITI Aayog, what does 'T' stand for in NITI?**

**A**   Travelling

**B**   Training

**C**   Transforming

**D**   Transferring

   **Answer:** C

## Question 80

**During the freedom struggle, who was the only President of Indian National Congress who resigned from the presidency even after being elected?**

**A**   Subhash Chandra Bose

**B**   Nellie Sengupta

**C**   JB Kripalini

**D**   Jawaharlal Nehru

**Answer:** A

## Question 81

**What is the full form of NPCI which is an umbrella organisation for all retail payments system in India?**

**A**   National Payments Corporation of India

**B**   Non-cash Payments Corporation of India

**C**   Non-cash Payments Cooperative Inc.

**D**   Net Payments Company Inc.

**Answer:** A

# SSC CGL Free Mock Test (Latest Pattern)

## Question 82

**What is the maximum amount of loan permissible under Pradhan Mantri MUDRA Yojana?**

**A**   ₹12 lakhs

**B**   ₹5 lakhs

**C**   ₹3 lakhs

**D**   ₹10 lakhs

**Answer:** D

## Question 83

**In which year was the battle of Buxar fought?**

**A**   1758

**B**   1757

**C**   1765

**D**   1764

**Answer:** D

## Question 84

**Which one of the following states is the largest producer of pulses in India?**

**A**   Haryana

**B**   Bihar

**C**   Madhya Pradesh

**D**   Uttarakhand

**Answer:** C

**Question 85**

**The name of which disease among the following means 'evil influence of the stars'?**

**A**  Cholera

**B**  Plague

**C**  Influenza

**D**  Typhoid

   **Answer:** C

**Question 86**

**Baily's beads can be observed during a/an:**

**A**  occultation of Jupiter

**B**  partial solar eclipse

**C**  lunar eclipse

**D**  total solar eclipse

   **Answer:** D

**Question 87**

**Where in India is the first indigenously built atomic power plant located?**

**A**  Trombay

**B**  Kota

**C**  Kalpakkam

**D**  Tarapur

   **Answer:** C

**Question 88**

**Twin paradox is associated with:**

**A**  the theory of relativity

**B**  particle physics

**C**  hydrodynamics

**D**  quantum mechanics

   **Answer:** A

**Question 89**

Which among the following is a copper mineral?

A   azurite

B   bauxite

C   halite

D   hematite

   **Answer:** A

**Question 90**

At the location of which city in Assam, the river Brahmaputra goes south bound breaking away from its westward course and enters into Bangladesh?

A   Bongaigaon

B   Tezpur

C   Dhubri

D   Barpeta

   **Answer:** C

# General Science Notes (Download PDF)

**Question 91**

Gnana Saraswati temple of southern India is located at:

A   Basar

B   Puducherry

C   Tirunelveli

D   Thrissur

   **Answer:** A

**Question 92**

The part of the eye which is responsible for the conversion of image of an object into neural signals is:

A   iris

B   optic nerve

C   vitreous humour

D   retina

   **Answer:** D

**Question 93**

Under which Article of the Constitution of India can the President promulgate an ordinance?

**A** Article 75

**B** Article 101

**C** Article 123

**D** Article 168

    **Answer:** C

## SSC Stenographer Previous Papers (DOWNLOAD PDF)

**Question 94**

With reference to the High Courts and their seats, which of the following pairs is correctly matched?

**A** Odisha - Sambalpur

**B** Gujarat - Gandhinagar

**C** Madhya Pradesh - Gwalior

**D** Uttarakhand - Nainital

    **Answer:** D

**Question 95**

What was the party affiliation of EMS Namboodiripad?

**A** Kerala Congress

**B** SUCI

**C** CPI

**D** CPI(M)

    **Answer:** D

**Question 96**

Who is the author of 'Swami Vivekananda in the West: New Discoveries'?

**A** Marie Louise Burke

**B** Romain Rolland

**C** Sister Nivedita

**D** Swami Ranganathananda

    **Answer:** A

## SSC Stenographer Previous Papers (Latest Pattern)

**Question 97**

Under which Five Year Plan, the steel plants of Rourkela, Bhilai and Durgapur were established?

**A** Fourth

**B** Seventh

**C** Third

**D** Second

Answer: D

## Question 98

**Who is the first woman to have been awarded the Yudh Seva Medal?**

**A** Bhawana Kanth

**B** Shaliza Dhami

**C** Minty Agarwal

**D** Aparna Kumar

Answer: C

## Question 99

**In February 2019, India signed a letter of intent with _____ to fight marine pollution.**

**A** Denmark

**B** Bhutan

**C** Norway

**D** Cambodia

Answer: C

**SSC CGL Tier-2 Previous Papers PDF**

## Question 100

**Who among the following received the Sahitya Akademi Award in 1968?**

**A** Kaifi Azmi

**B** Buddhadeb Basu

**C** Harivansh Rai Bachchan

**D** Amrita Pritam

Answer: C

**SSC Exam Free Videos (Youtube)**

## Quantitative Aptitude

**Instructions**

For the following questions answer them individually

**Question 101**

**Study the bar graph and answer the question.**

### Life time(in hours) of neon lamps
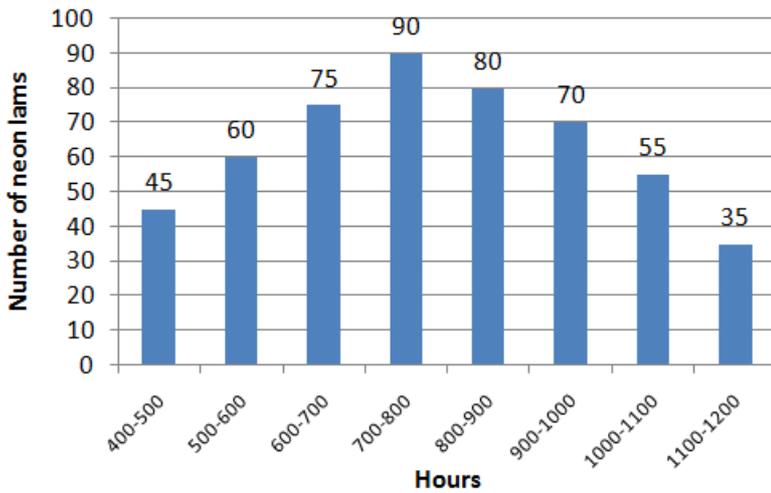


The number of neon lamps having life of 600 hours or more but less than 800 hours is what percentage of the total number of neon lamps having a life of 800 hours or more?

**A** 66.67

**B** 67.50

**C** 69.25

**D** 68.75

   **Answer:** D

**Explanation:**

The number of neon lamps having life of 600 hours or more but less than 800 hours = 75 + 90 = 165

Number of neon lamps having a life of 800 hours or more = 80 + 70 + 55 + 35 = 240

=> Required % = $$\frac{165}{240}\times100=68.75\%$$

=> Ans - (D)

## SSC Study Material

**Question 102**

As observed from the top of a lighthouse, 45 m high above the sea-level, the angle of depression of a ship, sailing directly towardsit, changes from $$30^\circ$$ to $$45^\circ$$. The distance travelled by the ship during the period of observation is: (Your answer should be correct to one decimalplace.)

**A** 32.9 m

**B** 33.4 m

**C** 36.9 m

**D** 24.8 m

   **Answer:** A

**Explanation:**
Let AB be the light house of height 45 m. Let CD = $$x$$ m

In right $$\triangle$$ ABC,

=> $$tan(\angle ACB)=\frac{AB}{BC}$$
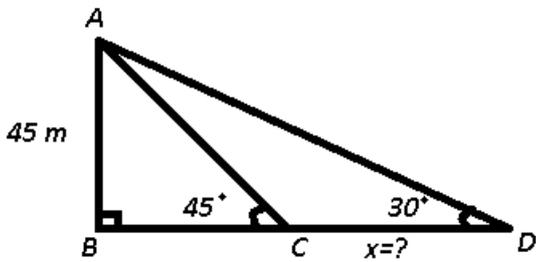
=> $$tan(45^\circ)=1=\frac{45}{BC}$$

=> $$BC=45$$ m

In right $$\triangle$$ ABD,

=> $$tan(\angle ADB)=\frac{AB}{BD}$$

=> $$tan(30^\circ)=\frac{1}{\sqrt3}=\frac{45}{45+x}$$

=> $$x+45=45\sqrt3$$

=> $$x=45(\sqrt3-1)$$

=> $$x=45\times0.732=32.9$$ m

=> Ans - (A)

**Question 103**

**A 22 m long ladder (whose foot is on the ground) leans against a wall making an angle of $$60^\circ$$ with the wall. What is the height (in m) of the point where the ladder touches the wall from the ground?**

**A**  $$\frac{22\sqrt{2}}{3}$$

**B**  $$11\sqrt{2}$$

**C**  11

**D**  $$11\sqrt{3}$$

**Answer:** D

**Explanation:**
Let AC be the ladder of height 22 m and $$\angle$$ ACB = $$60^\circ$$



In right $$\triangle$$ ABC,

=> $$sin(\angle ACB)=\frac{AB}{AC}$$
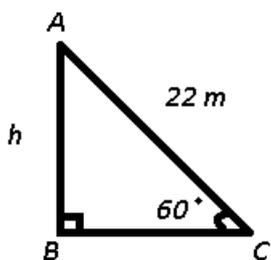
=> $$sin(60^\circ)=\frac{\sqrt3}{2}=\frac{h}{22}$$

=> $$h=11\sqrt3$$ m

=> Ans - (D)

**Instructions**

Study the pie chart and answer the question.
Distribution (degree wise) of the number of computers sold by a shopkeeper during five months

**Total Number of Computers Sold = 5400**
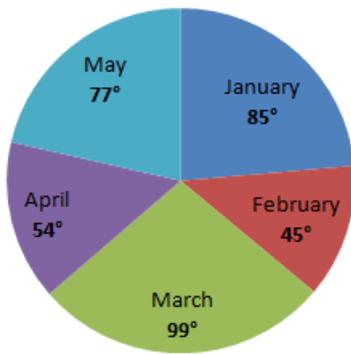


**Question 104**

If the difference between the number of computers sold in March and the number of computers sold in January is x, then x lies between:

**A** 200 and 250

**B** 300 and 350

**C** 250 and 300

**D** 150 and 200

    **Answer:** A

**Explanation:**

Difference between the number of computers sold in March and the number of computers sold in January = $$\frac{(99-85)}{360}\times5400$$

= $$\frac{14}{36}\times540$$

= $$14\times15=210$$

=> Ans - (A)

# SSC Daily Practice Set

**Question 105**

The number of months, in which the number of computers sold was above 20%of the total numberof computers sold in 5 months, was:

**A** 3

**B** 4

**C** 1

**D** 2

    **Answer:** A

**Explanation:**

$$20\%$$ of $$360^\circ$$ = $$72^\circ$$

Now, the number of months in which the number of computers sold was above 20% of the total number of computers sold in 5 months were in **January, March, May.**

=> Ans - (A)

**Instructions**

For the following questions answer them individually

**Question 106**

A can do $$\frac{2}{5}$$ of a work in 12 days while B can do $$66\frac{2}{3}\%$$ of the same work in 16 days. They work together for 10 days. B alone will complete the remaining work in:

A   6 days

B   4 days

C   8 days

D   9 days

   **Answer:** A

**Explanation:**

Let total work to be done be 15 units

Now, A can do 6 units in 12 days, => A's efficiency = $$\frac{6}{12}=0.5$$ units/day

Similarly, B can do 10 units in 16 days, => B's efficiency = $$\frac{10}{16}=0.625$$ units/day

Let B alone complete the work in $$t$$ days.

=> $$(0.5+0.625)\times 10+0.625t=15$$

=> $$11.25+0.625t=15$$

=> $$t=\frac{3.75}{0.625}=6$$ days

=> Ans - (A)

**Question 107**

The compound interest amounts on a certain sum at a certain rate percentage p.a. for the second year and third year are ₹3,300 and ₹3,630, respectively. What is the amount of the same sum at the same rate in $$2\frac{1}{2}$$ years, interest compounded yearly?

A   ₹37,215

B   ₹36,300

C   ₹38,115

D   ₹36,000

   **Answer:** C

**Explanation:**

Compound interest after 2nd and 3rd year = Rs. 3300 and Rs. 3630 respetively.

Thus, difference between compound interest for 3rd year = $$3630-3300=Rs.$$ $$330$$

Thus, rate of interest = $$\frac{330}{3300}\times100=10\%$$

Let principal sum = Rs. $$P$$

Thus, C.I. for 2nd year = $$P[(1+\frac{r}{100})^2-1]-P[(1+\frac{r}{100})-1]$$

=> $$P[(1+\frac{10}{100})^2-1]-P[(1+\frac{10}{100})-1]=3300$$

=> $$P[(1.1)^2-1]-P[0.1]=3300$$

=> $$P=\frac{3300}{0.11}=Rs.$$ $$30,000$$

$$\therefore$$ Amount after $$2\frac{1}{2}$$ years = $$P\times(1+\frac{10}{100})^2\times(1+\frac{10}{2\times100})$$

= $$30,000\times(\frac{121}{100})\times(\frac{21}{20})$$

= $$15\times121\times21=Rs.$$ $$38,115$$

=> Ans - (C)

**Question 108**

**A solid metallic sphere of radius 6.3 cm is melted and recast into a right circular cone of height 25.2 cm. What is the ratio of the diameter of the base to the height of the cone?**

**A**  2 : 1

**B**  3 : 2

**C**  1 : 2

**D**  2 : 3

   **Answer:** C

**Explanation:**

Radius of sphere = $$R=6.3$$ cm

Let radius of cone = $$r$$ cm and height of cone = $$h=25.2$$ cm

Now, volume of cone = volume of sphere

=> $$\frac{1}{3}\pi r^2h=\frac{4}{3}\pi R^3$$

=> $$r^2\times25.2=4\times(6.3)^3$$

=> $$r^2=4\times\frac{6.3\times6.3\times6.3}{25.2}$$

=> $$r^2=(6.3)^2$$

=> $$r=6.3$$

$$\therefore$$ Ratio of diameter and height of cone = $$\frac{2r}{h}=\frac{12.6}{25.2}$$

= $$1:2$$

=> Ans - (C)

**Question 109**

**The sides of $$\triangle ABC$$ are 10 cm, 10.5 cm and 14.5 cm. What is the radius of its circumcircle?**

**A**  5 cm

**B**  7.5 cm

**C**  5.25 cm

**D**  7.25 cm

   **Answer:** D

**Explanation:**

The $$\triangle$$ ABC is a right angled triangle because

$$(14.5)^2=(10)^2+(10.5)^2=210.25$$

Also, circumradius of a right triangle is half of hypotenuse = $$\frac{14.5}{2}=7.25$$ cm

=> Ans - (D)

**Question 110**

**If $$\sqrt{x} + \frac{1}{\sqrt{x}} = 3, x > 0$$, then $$x^2(x^2 - 47) = ?$$**

**A**  0

**B** 2

**C** -2

**D** -1

Answer: D

**Explanation:**

Expression : $$\sqrt{x} + \frac{1}{\sqrt{x}} = 3, x > 0$$ --------------(i)

Squaring both sides,

=> $$x+\frac{1}{x}+2=9$$

=> $$x+\frac{1}{x}=7$$

Again squaring both sides,

=> $$x^2+\frac{1}{x^2}+2=49$$

=> $$x^2+\frac{1}{x^2}=47$$

=> $$x^4-47x^2+1=0$$

=> $$x^2(x^2-47)=-1$$

=> Ans - (D)

# Current Affairs Question and Answers (Download PDF)

**Question 111**

In finding the HCF of two numbersby division method, the quotients are 1, 8 and 2 respectively, and the last divisor is 105. What is the sum of the numbers?

**A** 3570

**B** 3885

**C** 3780

**D** 3675

Answer: C

**Explanation:**

Let the two numbers be $$a$$ and $$b$$

| Divisor | a | b | c | 105 |
|---------|---|---|---|-----|
| Quotient |   | 1 | 8 | 2 |

The table shows that when $$b$$ is divided by $$a$$, quotient is 1 and remainder is $$c$$, which becomes divisor in 2nd step and $$a$$ becomes dividend, now quotient is 8 and remainder is 105 and in the final step, 105 becomes divisor with $$c$$ being the dividend, 2 is quotient and remainder is 0.

Thus, $$c=105\times2+0=210$$

$$b=8c+105=8\times210+105=1785$$

$$a=1\times b+c=1785+210=1995$$

Thus, sum of numbers = $$a+b=1995+1785=3780$$

=> Ans - (C)

**Instructions**

Study the bar graph and answer the question.

## Number of trees painted by an organisation in states A and B during 2014 to 2018
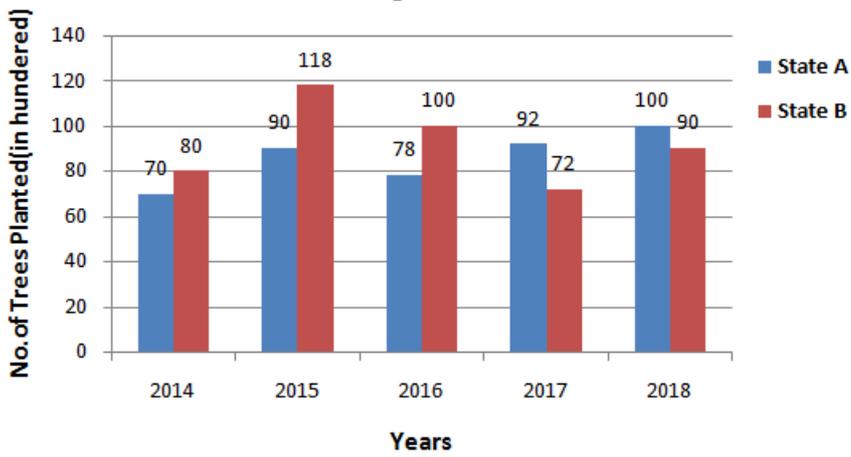


**Question 112**

In how many years was the number of trees planted in state B more than the average number of trees planted in state A over the years?

A    1

B    3

C    4

D    2

   **Answer:** B

**Explanation:**

Total number of trees planted in state A over the years = 70 + 90 + 78 + 92 + 100 = 430

=> Average = $$\frac{430}{5}=86$$

Thus, in **3 years** i.e., 2015, 2016 and 2018 **,** number of trees planted in state B was more than the average number of trees planted in state A over the years **.**

=> Ans - (B)

**Question 113**

Percentage decrease in the number of trees planted in 2016 in state A as compared to that in 2015 in the same state was:

A    $$15\frac{5}{13}$$

B    $$15\frac{2}{3}$$

C    $$13\frac{1}{3}$$

D    $$13\frac{2}{3}$$

   **Answer:** C

**Explanation:**

Number of trees planted in 2016 in state A = 78

Number of trees planted in 2015 in state A = 90

=> Required % = $$\frac{(90-78)}{90}\times100$$

= $$\frac{120}{9}=13\frac{1}{3}\%$$

=> Ans - (C)

**Question 114**

**The total number of trees planted in state B in 2015 and 2017 was what percentage less than the total number of trees planted in state A in 2014, 2016 and 2017? (Your answer should be correct to one decimalplace.)**

**A**  19.8

**B**  21.4

**C**  20.8

**D**  20.1

Answer: C

**Explanation:**

Total number of trees planted in state B in 2015 and 2017 = 118 + 72 = 190

Total number of trees planted in state A in 2014, 2016 and 2017 = 70 + 78 + 92 = 240

=> Required % = $$\frac{(240-190)}{240}\times100$$

= $$\frac{500}{24}=20.8\%$$

=> Ans - (C)

**Instructions**

For the following questions answer them individually

**Question 115**

**In a school, 60% of the numberof students are boys and the rest are girls. If 20% of the number of boys failed and 65% of the number of girls passed the examination, then the percentage of the total number of students who passed is:**

**A**  68

**B**  72

**C**  74

**D**  78

Answer: C

**Explanation:**

Let total number of students in school = 100

=> Number of boys = 60 and number of girls = 40

Boys who passed = $$\frac{80}{100}\times60=48$$

Girls who passed = $$\frac{65}{100}\times40=26$$

$$\therefore$$ Total percentage of students passed = $$48+26=74\%$$

=> Ans - (C)

**Question 116**

**The sides of a triangular park are 35 m, 53 m and 66 m. The cost of levelling the park at the rate of ₹9.25/ m$$^2$$ is:**

**A**  ₹8,584

**B**  ₹8,547

**C**  ₹8,621

**D**  ₹8,510

   **Answer:** B

**Explanation:**

Sides of the triangle = 35,53,66

Semi perimeter = $$s=\frac{35+53+66}{2}=77$$ m

Area of triangle according to Heron's formula = $$\sqrt{s(s-a)(s-b)(s-c)}$$

= $$\sqrt{77(77-35)(77-53)(77-66)}$$

= $$\sqrt{77\times42\times24\times11}$$

= $$\sqrt{7^2\times11^2\times6^2\times4}$$

= $$7\times11\times6\times2=924$$ $$m^2$$

$$\therefore$$ Cost of levelling the park = $$9.25\times924=Rs.$$ $$8,547$$

=> Ans - (B)

**Question 117**

A person invested a sum of ₹10,500 at x% per annum at simple interest and a sum of ₹13,500 at (x + 2)% p.a. at simple interest. If the total interest earned on both the investments for 3 years is ₹7,650, then the rate of interest on the first investment is:

**A**  8%

**B**  8.5%

**C**  9%

**D**  9.5%

   **Answer:** D

**Explanation:**

Simple interest for principal of Rs. 10,500 at $$x\%$$ and Rs. 13,500 at $$(x+2)\%$$ for 3 years

S.I. = $$\frac{P\times R\times T}{100}$$

=> $$\frac{10500\times x\times3}{100}+\frac{13500\times (x+2)\times3}{100}=7650$$

=> $$315x+405x+810=7650$$

=> $$720x=7650-810=6840$$

=> $$x=\frac{6840}{720}=9.5\%$$

=> Ans - (D)

**Question 118**

invests ₹6,00,000 more than B in a business. B invests his capital for $$7\frac{1}{2}$$ months, while A invests his capital for $$2\frac{1}{2}$$ more months than B. Out of the total profit of ₹12,40,000, if the share of B is ₹2,48,000 less than the share of A, then the capital of B is:

**A**  ₹45,00,000

**B**  ₹42,00,000

**C**  ₹40,00,000

**D** ₹48,00,000

Answer: D

## Question 119

Let x be the least number divisible by 16, 24, 30, 36 and 45, and x is also a perfect square. What is the remainder when x is divided by 123?

**A** 100

**B** 40

**C** 103

**D** 33

Answer: D

**Explanation:**

Prime factors of :

16 = $$2^4$$

24 = $$2^3\times3$$

30 = $$2\times3\times5$$

36 = $$2^2\times3^2$$

45 = $$3^2\times5$$

Thus, L.C.M. (16, 24, 30, 36 and 45) = $$x=2^4\times3^2\times5$$

Since, $$x$$ is also a perfect square, we need to multiply it by 5 (since it has odd power) = $$2^4\times3^2\times5^2$$

=> $$x=3600$$

Now, when 3600 is divided by 123, => $$3600=123\times29+33$$

Thus, remainder = **33**

=> Ans - (D)

## Question 120

The ratio of radius of the base and the heightof solid right circular cylinderis 2 : 3. If its volume is 202. 125 cm$$^3$$, then its total surface area is: (Take $$\pi = \frac{22}{7}$$)

**A** 192.5 $$cm^2$$

**B** 154 $$cm^2$$

**C** 168 $$cm^2$$

**D** 115.5 $$cm^2$$

Answer: A

**Explanation:**

Let radius of cylinder = $$2x$$ and height = $$3x$$ cm

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

=> $$\frac{22}{7} (2x)^2 (3x)=202.125$$

=> $$8x^3=42.875$$

=> $$x=\sqrt[3]{\frac{42.875}{8}}=\frac{3.5}{2}=\frac{7}{4}$$

Total surface area of cylinder = $$2\pi r(h+r)$$

= $$2\times\frac{22}{7}\times (2x)\times(3x+2x)$$

=> $$\frac{44}{7}\times10x^2$$

=> $$\frac{440}{7}\times\frac{49}{16}=192.5$$ $$cm^2$$

=> Ans - (A)

**Question 121**

**If x and y are real numbers, then the least possible value of $$4(x - 2)^2 + (y - 3)^2 - 2(x - 3)^2$$ is:**

**A**   3

**B**   -4

**C**   1

**D**   -8

   **Answer:** B

**Explanation:**
Expression : $$Z=4(x - 2)^2 + (y - 3)^2 - 2(x - 3)^2$$

Minimum value of a square term is 0, thus $$y=3$$

Now, if $$x>2$$ or $$x<0$$ then the term will be positive.

Case I : $$x=0$$ and $$y=3$$

=> $$Z=16+0-18=-2$$

Case II : $$x=1$$ and $$y=3$$

=> $$Z=4+0-8=-4$$

Case III : $$x=2$$ and $$y=3$$

=> $$Z=0+0-2=-2$$

$$\therefore$$ Minimum value of expression = **-4**

=> Ans - (B)

**Question 122**

**The distance between two places A and B is 14 km.A boattravels from A to B downstream andthen returns from B to A upstream and takes a total of 3 hours 44 minutes for the entire journey. If the speed of the currentis 2 km/h, then what is the speed of the boat, in km/h, in still water?**

**A**   8

**B**   7

**C**   $$7\frac{1}{2}$$

**D**   $$6\frac{1}{2}$$

   **Answer:** A

**Explanation:**
Let speed of boat = $$x$$ km/hr and speed of current = 2 km/hr

According to ques,

=> $$\frac{14}{x-2}+\frac{14}{x+2}=3+\frac{44}{60}$$

=> $$14[\frac{2x}{(x-2)(x+2)}]=3+\frac{11}{15}$$

=> $$28\times(\frac{x}{x^2-4})=\frac{56}{15}$$

=> $$2x^2-15x-8=0$$

=> $$(x-8)(2x+1)=0$$

=> $$x=8,\frac{-1}{2}$$

$$\because$$ speed cannot be negative, => Speed of boat = $$8$$ km/hr

=> Ans - (A)

**Question 123**

Two circles of radii 5 cm and 3 cm intersect each other at A and B,and the distance betweentheir centres is 6 cm. The length (in cm) of the common chord AB is:

A  $$\frac{4\sqrt{13}}{3}$$

B  $$\frac{2\sqrt{14}}{3}$$

C  $$\frac{2\sqrt{13}}{3}$$

D  $$\frac{4\sqrt{14}}{3}$$

**Answer:** D

**Explanation:**
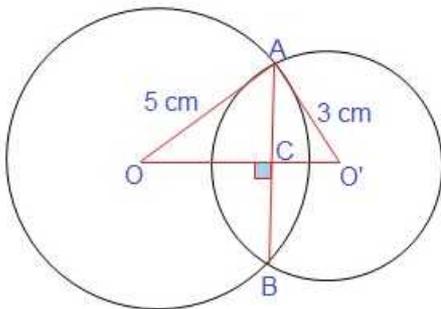


The two circles with centre O and O' intersect each other at A and B and OO' = 6 cm.

Also, OC and O'C are the perpendicular bisectors of AB.

Let $$OC=x$$ cm and $$O'C=(6-x)$$ cm

In right $$\triangle$$ ACO,

=> $$(OA)^2=(OC)^2+(AC)^2$$

=> $$(OA)^2=(OC)^2+[(O'A)^2-(O'C)^2]$$

=> $$25=x^2+9-(6-x)^2$$

=> $$16=12x-36$$

=> $$x=\frac{52}{12}=\frac{13}{3}$$

$$\therefore$$ $$(AC)^2=25-\frac{169}{9}$$

=> $$AC=\sqrt{\frac{56}{9}}=\frac{2\sqrt{14}}{3}$$

$$\therefore$$ AB = 2 AC

= $$\frac{4\sqrt{14}}{3}$$

=> Ans - (D)

**Question 124**

The value of $$9 \times [(9 - 4) \div \left\{(8 \div 8 \text{ of } 4) + (4 \div 4 \text{ of } 2)\right\}]$$ is:

**A** 20

**B** 60

**C** $$\frac{15}{4}$$

**D** $$\frac{15}{2}$$

**Answer:** B

**Explanation:**

Expression : $$9 \times [(9 - 4) \div \left\{(8 \div 8 \text{ of } 4) + (4 \div 4 \text{ of } 2)\right\}]$$

= $$9 \times [(5) \div \left\{(8 \div 32) + (4 \div 8)\right\}]$$

= $$9 \times [(5) \div \left\{\frac{1}{4}+\frac{1}{2}\right\}]$$

= $$9\times[5\times\frac{4}{3}]$$

= $$3\times20=60$$

=> Ans - (B)

**Question 125**

**Pipes A and B together can fill an empty tank in $$6\frac{2}{3}$$ minutes. If A takes 3 minutes more than B to fill the tank, then the time(in minutes) in which A alone would fill one-third part of the tank is:**

**A** 6

**B** 5

**C** 5.5

**D** 4.5

**Answer:** B

**Explanation:**

Let time taken by A to fill an empty tank = $$x$$ min

=> Time taken by B = $$(x-3)$$ min

=> A's efficiency = $$\frac{1}{x}$$ litres/min and B's efficiency = $$\frac{1}{x-3}$$ litres/min

Acc. to ques, => $$[(\frac{1}{x})+(\frac{1}{x-3})]\times(\frac{20}{3})=1$$

=> $$\frac{2x-3}{x^2-3x}=\frac{3}{20}$$

=> $$40x-60=3x^2-9x$$

=> $$3x^2-49x+60=0$$

=> $$x=\frac{49\pm\sqrt{(49)^2-(4\times3\times60)}}{6}$$

=> $$x=\frac{49\pm\sqrt{1681}}{6}$$

=> $$x=\frac{90}{6},\frac{8}{6}$$

$$\because$$ $$x\neq\frac{4}{3}$$

$$\therefore$$ Time taken by A alone to fill one third tank = $$\frac{15}{3}=5$$ minutes

=> Ans - (B)

# SSC CHSL Free Mock Test (Latest Pattern)

**Question 126**

**If $$7 \sin^2 \theta + 3 \cos^2 \theta = 4, 0^\circ < \theta < 90^\circ$$, then the value of $$(\tan^2 2 \theta + \cosec^2 2 \theta)$$ is:**

**A** 7

**B** $$\frac{15}{4}$$

**C** $$\frac{13}{3}$$

**D** $$\frac{13}{4}$$

Answer: C

**Explanation:**

Expression : $$7 \sin^2 \theta + 3 \cos^2 \theta = 4, 0^\circ < \theta < 90^\circ$$

=> $$7sin^2\theta+3(1-sin^2\theta)=4$$

=> $$4sin^2\theta=1$$

=> $$sin\theta=\sqrt{\frac{1}{4}}$$

=> $$\theta=sin^{-1}(\frac{1}{2})=30^\circ$$

To find : $$(\tan^2 2 \theta + \cosec^2 2 \theta)$$

= $$tan^2(60^\circ)+cosec^2(60^\circ)$$

= $$3+\frac{4}{3}=\frac{13}{3}$$

=> Ans - (C)

**Question 127**

Study the bar graph and answer the question.



Life time(in hours)of neon lamps
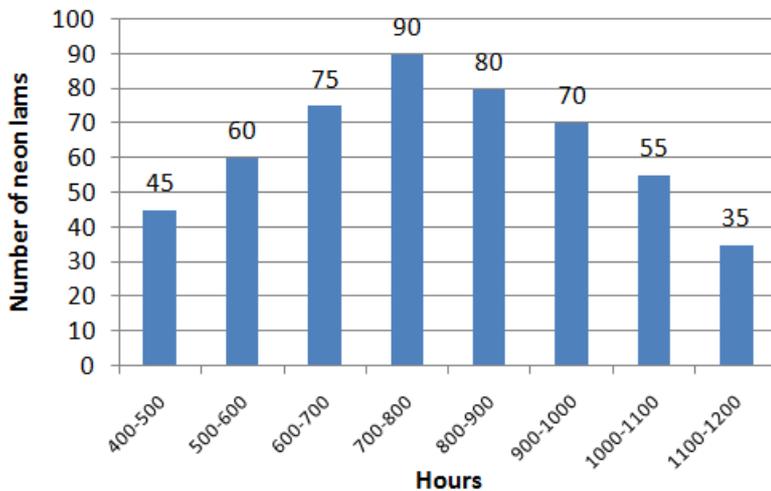
The ratio of the number of neon lamps having a life of 900 hours or more to the number of lamps having life less than 700 hours is:

**A** 25 : 21

**B** 8 : 9

**C** 6 : 7

**D** 7 : 8

Answer: B

**Explanation:**

Number of neon lamps having a life of 900 hours or more = 70 + 55 + 35 = 160

Number of lamps having life less than 700 hours = 45 + 60 + 75 = 180

=> Required ratio = $$\frac{160}{180}=8:9$$

=> Ans - (B)

**Question 128**

**The value of $$\frac{4.669 \times 4.669 - 9 \times (0.777)^2}{(4.669)^2 + (2.331)^2 + 14(0.667)(2.331)}$$ is (1 - k), where k = ?**

A   0.666

B   0.647

C   0.467

D   0.768

   **Answer:** A

**Explanation:**

Expression : $$\frac{4.669 \times 4.669 - 9 \times (0.777)^2}{(4.669)^2 + (2.331)^2 + 14(0.667)(2.331)}$$

= $$\frac{4.669 \times 4.669 - (2.331)^2}{(4.669)^2 + (2.331)^2 + 2(4.669)(2.331)}$$

Let $$x=4.669$$ and $$y=2.331$$

= $$\frac{x^2-y^2}{x^2+y^2+2xy}$$

= $$\frac{(x-y)(x+y)}{(x+y)^2}=\frac{x-y}{x+y}$$

= $$\frac{4.669-2.331}{4.669+2.331}=\frac{2.338}{7}=0.334$$

According to ques, => $$k=1-0.334=0.666$$

=> Ans - (A)

## Free SSC Study Material (18,000 Solved Questions)

**Question 129**

**A person sold a chair at a profit of 13%. Had he sold it for ₹607.50 more, he would have gained x%. If the cost price of the chair is ₹3750, then the value of x is:**

A   30

B   32

C   28.4

D   29.2

   **Answer:** D

**Explanation:**

Cost price of chair = Rs. 3750

Selling price after 13 % profit = $$\frac{113}{100}\times3750=Rs.$$ $$4237.50$$

According to ques, new selling price = Rs. $$4237.50+607.50=Rs.$$ $$4845$$

=> $$\frac{4845-3750}{3750}\times100=x$$

=> $$x=\frac{1095}{37.5}=29.2\%$$

=> Ans - (D)

**Question 130**

**The average weight of the boys in a class is 69.3 kg and that of the girls in the same class is 59.4 kg. If the average weight of all the boys and girls in the class is 63.8 kg, then the percentage of the number of boys in the class is:**

A   $$55\frac{5}{9}$$

**B** 40

**C** 45

**D** $$44\frac{4}{9}$$

**Answer:** D

**Explanation:**

Let B be the number of Boys, G be number of girls

$$ \dfrac {total\ weight\ of\ boys} {number\ of\ boys} $$= Any weight of boys

total weight of boys = (69.3)B

Similarly total weight of girls = (59.4) G

total weight of class = 69.3 B + 59.4 G

Any weight of class = $$\dfrac{total\ weight\ of\ class}{total\ Boys + Girls} $$

$$\Rightarrow 63.8 = \dfrac{ 63.3 B + 59.4 G} {B + G} $$

$$\Rightarrow 63.8 B + 63.8 G = 69.3 B + 59.4 G $$

$$\Rightarrow 4.4 G = 5.5 B $$

$$\Rightarrow G = \dfrac {5}{4} B $$

% of Boys in class = $$\dfrac{B}{B+G} \times 100 $$

$$\Rightarrow \dfrac{B}{B + \dfrac{5}{4}B} \times 100 $$

$$\Rightarrow \dfrac{B}{B+ \dfrac{9}{4}B} \times 100 $$

$$\Rightarrow \dfrac{4}{9} \times 100 $$

$$\Rightarrow \dfrac {400}{9} $$

$$\Rightarrow 44 \dfrac{4}{9} $$ Ans

**Question 131**

If $$21 \tan \theta = 20$$, then $$(1 + \sin \theta + \cos \theta) : (1 - \sin \theta + \cos \theta) = ?$$

**A** 5 : 2

**B** 3 : 1

**C** 7 : 3

**D** 2 : 1

**Answer:** C

**Explanation:**

Given that $$21 \tan \theta = 20$$

$$ \tan \theta = \dfrac{20}{21}$$

then $$(1 + \sin \theta + \cos \theta) : (1 - \sin \theta + \cos \theta)$$

$$\dfrac{(1 + \sin \theta + \cos \theta)}{ (1 - \sin \theta + \cos \theta)}$$

dividing $$\cos \theta $$

$$\dfrac {(\sec \theta + \tan \theta + 1)}{(\sec \theta - \tan \theta + 1)} $$

we know that $$\sec^2 \theta - \tan^2 \theta = 1 $$

then $$\Rightarrow \dfrac{(\sec \theta +\tan \theta) (\sec^2 \theta - \tan^2 \theta)} {(\sec \theta - \tan \theta + 1)}$$

$$\Rightarrow (\sec \theta + \tan \theta) $$

Now $$ \tan \theta = \dfrac{20}{21} $$

we know that $$ 1 + \tan^2 \theta = \sec^2 \theta $$

$$\Rightarrow 1 + \dfrac{400}{441} = \sec^2 \theta $$

$$\Rightarrow \sec \theta = \dfrac{29}{21}$$

hence $$\sec \theta + \tan \theta $$

$$\Rightarrow \dfrac{29}{21}+ \dfrac{20}{21}$$ (put the value)

$$\Rightarrow \dfrac{49}{21}$$

$$\Rightarrow \dfrac{7}{3} $$ Ans

# SSC CPO Free Mock Test (Latest Pattern)

**Question 132**

**If A is 48% more than B and C is 60%less than the sum of A and B, then A is what percentage more than C? (Correct to one decimalplace.)**

**A**  50.8

**B**  49.2

**C**  50.2

**D**  49.8

   **Answer:** B

**Explanation:**
Let B = 100 $$x$$

Here A =$$ 148 x$$

C = 60% less than A+B

= $$\dfrac{40}{100} \times 248x $$

$$\Rightarrow \dfrac{992}{100}  x $$

$$\Rightarrow 99.2x $$

Now A is more than C = $$148x - 99.2x $$

$$\Rightarrow 48.8x$$

% more than C = $$\dfrac{48.2x}{99.2x}\times 100$$

$$\Rightarrow 49.19 $$ %

$$\Rightarrow 49.2$$ % Ans

**Question 133**

**A field is in the form of a circle. The cost of fencing around it at ₹12 per metre is ₹2,640. Whatis the area (in m$$^2$$) of the field? (Take $$\pi = \frac{22}{7}$$)**

**A**  1925 $$m^2$$

**B**  3850 $$m^2$$

**C**  2772 $$m^2$$

**D**  5544 $$m^2$$

   **Answer:** B

**Explanation:**
From the given question  perimeter = $$\dfrac{2640}{12}$$ = 220  m

$$\Rightarrow 2 \pi r = 220 m $$

$$\Rightarrow 2 \times \dfrac{22}{7} = 220 $$ put the value

$$\Rightarrow r = 7\times 5 = 35 m $$

hence Area of circle = $$\pi r^2 $$

$$\Rightarrow \dfrac{22}{7} \times 35 \times 35 $$ (put the value)

$$\Rightarrow 22 \times 5 \times 35 $$

$$\Rightarrow 3850  m^2 $$Ans

**Question 134**

**The sides AB, BC and AC of a $$\triangle$$ABC are 12 cm, 8 cm and 10 cm respectively. A circle is inscribed in the triangle touching AB, BC and AC at D, E and F, respectively. The difference between the lengths of AD and CE is:**

**A**   4 cm

**B**   5 cm

**C**   3 cm

**D**   2 cm

**Answer:** A

**Explanation:**
According to the question, we draw the diagram is given below
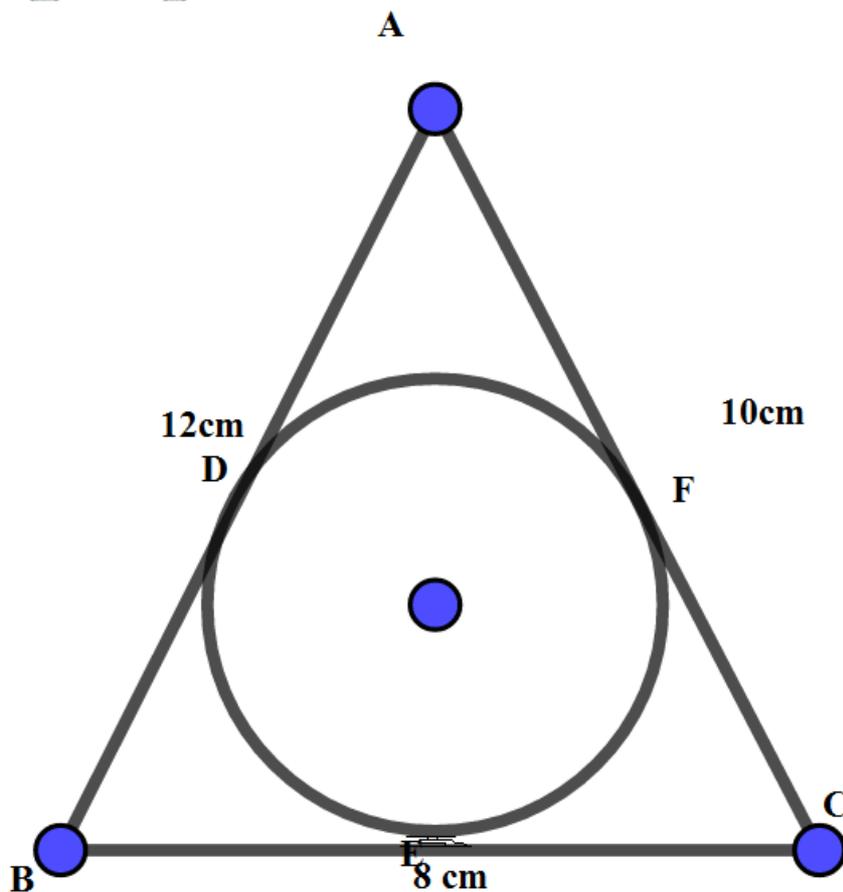


AB= 12cm , BC= 8cm ,AC = 10cm

Now taking as an external point

thus AD=AF

$$Let AD =  AF= x cm $$

so, BD= $$ 12-x $$, CE = $$8-(12-x)$$ and CF = $$10-x$$

then 12+8+10= $$x+x+12-x+12-x-4+x-4+x $$

30 = $$2x +16 $$

$$ 2x= 14 $$

$$x= 7 $$

AD= 7 cm

CE = $$ 8 - (12-7)$$

CE= 8-5 = 3 cm

then difference between  AD and CE is 7-3 = 4 cm

therefore Option (A) 4 cm Ans

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## SSC CPO Previous Papers

</div>

**Question 135**

The value of $$\frac{\frac{1}{3} + \left[4\frac{3}{4} - \left(3\frac{1}{6} - 2\frac{1}{3}\right)\right]}{\left(\frac{1}{5} \text{ of } \frac{1}{5} \div \frac{1}{5}\right)\div \left(\frac{1}{5} \div \frac{1}{5} \times \frac{1}{5}\right)}$$ lies between:

**A**  10.2 and 10.8

**B**  4.2 and 4.4

**C**  8.2 and 8.8

**D**  0.4 and 0.9

   **Answer:** B

**Explanation:**
$$\frac{\frac{1}{3} + \left[4\frac{3}{4} - \left(3\frac{1}{6} - 2\frac{1}{3}\right)\right]}{\left(\frac{1}{5} \text{ of } \frac{1}{5} \div \frac{1}{5}\right)\div \left(\frac{1}{5} \div \frac{1}{5} \times \frac{1}{5}\right)}$$

$$\Rightarrow\frac{\frac{1}{3} + \left[4\frac{3}{4} - \left(\dfrac {19}{6} - \dfrac{7}{3}\right)\right]}{\left(\dfrac{1}{25} \div \dfrac{1}{5} \div \dfrac{1}{5}\right)}$$

$$\Rightarrow\frac{\frac{1}{3} + \dfrac{19}{4} - \dfrac{5}{6}}{\left(\dfrac{1}{25} \times  \dfrac{5}{1} \times  \dfrac{5}{1}\right)}$$

$$\Rightarrow\frac{1}{3} + \dfrac{19}{4} - \dfrac{5}{6}$$

$$\Rightarrow\dfrac{4+57-10}{12}$$

$$\Rightarrow\dfrac{61-10}{12}$$

$$\Rightarrow\dfrac{51}{12}$$

$$\Rightarrow\dfrac{17}{4}$$

$$\Rightarrow 4\dfrac{1}{4}$$

$$\Rightarrow 4.25$$

Here 4.2<4.25<4.4

therefore Option (B) 4.2 and 4.4 Ans

**Question 136**

The value of $$\sqrt{11 + 2\sqrt{18}}$$ is closest to:

**A**  4.8

**B**  4.4

C    3.8

D    4.1

     **Answer:** B

**Explanation:**

Given that $$\sqrt{11 + 2\sqrt{18}}$$

$$\Rightarrow \sqrt{11 + 2 \times 3\sqrt{2}}$$

$$\Rightarrow \sqrt{11 + 6\sqrt{2}}$$

$$\Rightarrow \sqrt{11 + 6 \times 1.44}$$

$$\Rightarrow \sqrt{11 + 8.64}$$

$$\Rightarrow \sqrt{19.64}$$

$$\Rightarrow 4.4142$$ = 4.4 Ans

**Question 137**

**Working 7 hours a day, 18 persons can complete a certain work in 32 days. In how many days would 14 persons complete the same work, working 8 hours a day?**

A    42

B    30

C    35

D    36

     **Answer:** D

**Explanation:**

We know that of M1 man can do W1 work in H1 hours per day and M2 man can do work W2 work H2 hour per day

then $$ \dfrac {M1\ D1\ H1 }{W1} = \dfrac {M2\ D2\ H2}{w2}$$

M1 = 18, M2 = 14 , D1 = 32 , H1 = 7, H2 = 8 , W1 = W2

so $$\dfrac{18 \times 32 \times 7}{W1} = \dfrac{14 \times 8 \times D2}{W1} $$

$$\Rightarrow D2 = \dfrac{18 \times 32 \times 7}{14 \times 8}$$

$$\Rightarrow 36 $$ days Ans

# 1500 + Free Must Solved SSC Questions (With Solutions)

**Question 138**

**The curved surface area of a right circular cone is 156 $$\pi$$ and the radius of its base is 12 cm. What is the volume of the cone, in cm$$^3$$ ?**

A    192 $$\pi$$

B    210 $$\pi$$

C    240 $$\pi$$

D    180 $$\pi$$

     **Answer:** C

**Explanation:**

Given that curved surface = 156 $$\pi$$, radius r= 12

$$\Rightarrow \pi r l = 156 \pi $$ (used formula of curved surface )

$$\Rightarrow \pi 12 l = 156 \pi $$ ( radius r= 12 cm)

$$\Rightarrow l = 13 $$

Volume = $$ \dfrac{1}{3} \pi r^2 h $$

$$ \Rightarrow \dfrac{1}{3} \pi 5 \times 144$$ ( h = $$\sqrt{169-144} = \sqrt {25}= 5$$)

$$\Rightarrow 240 \pi $$ Ans

**Question 139**

**If $$x = 5.51, y = 5.52$$ and $$z = 5.57$$, then what is the value of $$x^3 + y^3 + z^3 - 3xyz$$?**

A   5.146

B   51.46

C   0.05146

D   0.5146

   **Answer:** C

**Explanation:**
Given that $$x = 5.51, y = 5.52$$ and $$z = 5.57$$

then the value of $$x^3 + y^3 + z^3 - 3xyz$$

$$ x^3 + y^3 + z^3 - 3 xyz$$

put the value $$x=5.51, y = 5.52, z= 5.57 $$

$$ (5.51)^3 + (5.52)^3 + (5.57)^3 - 3 \times 5.51 \times 5.52 \times 5.57$$

$$\Rightarrow 167.28415 + 168.19661 + 172.80869 - 508.23799 $$

$$\Rightarrow 508.28945-508.23799$$

$$\Rightarrow 0.05146 $$ Ans

**Question 140**

**A trader buys an article at 80% of its marked price and sells it at 10% discount on its marked price. His percentage profit is:**

A   $$10\frac{1}{2}$$

B   $$10$$

C   $$12\frac{1}{2}$$

D   $$15$$

   **Answer:** C

**Explanation:**
Let M.p be market price of article

so Cp = $$\dfrac{80}{100}\times M.P $$

Sp = $$ M.P \times \dfrac{90}{100}$$

then % profit = $$ \dfrac {sp-cp}{cp}\times 100 $$

$$\Rightarrow \dfrac{10}{80}\times 100 $$

$$\Rightarrow 12.5 =12\dfrac{1}{2}$$ Ans

**SSC CGL Free Mock Test (Latest Pattern)**

**Question 141**

The average of n observations is 40. If one observation of value 80 is added, then the average of all the observations is 41. What is the value of n?

A  40

B  39

C  38

D  43

   **Answer:** B

**Explanation:**

The Average of n observation = 40

total of n observation = 40 n

on adding 80, total becomes = 40n + 80 and number of observation = n +1

Now average = 41

so according to question $$\dfrac {40n + 80}{n+1} = 41 $$

$$\Rightarrow 40n + 80 = 41 (n+1)$$

$$\Rightarrow 41n - 40 n = 80-41 $$

$$\Rightarrow n = 39 $$Ans

**Question 142**

Pipes A and B can fill a tank in 36 hours and 48 hours, respectively. Both pipes are opened together for 9 hours and then A is closed. Pipe B alone will fill the remaining part of the tank now in:

A  $$20\frac{1}{2}$$ hours

B  25 hours

C  27 hours

D  24 hours

   **Answer:** C

**Explanation:**

Pipe A can fill a tank  in 36 hours so in one hour A can fill $$\dfrac{1}{36}$$ part of the tank

Pipe B can fill  a tank in 48 hours so in one hour  B can fill $$\dfrac{1}{48} $$ part of a tank

then, in one, our A and B can fill part of tank = $$\dfrac{1}{36}+\dfrac{1}{48}$$

$$\Rightarrow \dfrac {4+3}{144}$$

$$\Rightarrow \dfrac{7}{144}$$

in 9 hours A and B can fill part of tank = $$ 9 \times \dfrac{7}{144}$$

$$\Rightarrow \dfrac{63}{144}$$

Remaining part of tank = $$ 1 - \dfrac{63}{144} $$

$$\Rightarrow \dfrac{144-63}{144}$$

$$\Rightarrow \dfrac{81}{144}$$

After it A is closed and B is open

hence B can fill remaining tank in hours = $$\dfrac {81}{144}\times 48$$

$$\Rightarrow 27$$ hours Ans

**Question 143**

The total numbers of males and females in a town is 70,000. If the number of males is increased by 6% and that of the females is increased by 4%, then the total numbers of males and females in the town would become 73520. What is the difference between the number of males and females in the town, in the beginning?

A  1500

B  1800

C  2000

D  1400

**Answer:** C

**Explanation:**

Let total number of males  = $$x$$

females =$$ 70000 - x$$

According to question $$ (x + \dfrac {6}{100} \text{ of } x ) + [\dfrac{4}{100} \text{ of } (70000-x)]  = 73520 $$

$$\Rightarrow \dfrac{106}{100}x + [ (70000-x)\dfrac{104}{100}] = 73520 $$

$$\Rightarrow 106x + (70000\times 104) - 104 = 7352000  $$

$$\Rightarrow 2x= 7352000-7280000$$

$$\Rightarrow 2x= 72000$$

$$\Rightarrow x = 36000 $$ ,females = 70000- 36000 = 34000

then Difference males and females = 36000-34000 = 2000 Ans

**Question 144**

When a certain number is divided by 65, the remainder is 56. When the same number is divided by 13, the remainder is x . What is the value of $$\sqrt{5x - 2}$$?

A  $$2\sqrt{7}$$

B  $$\sqrt{13}$$

C  $$2\sqrt{2}$$

D  $$3\sqrt{2}$$

**Answer:** D

**Explanation:**

As per question $$ \dfrac {56}{13 }$$

$$\Rightarrow 4 \dfrac{4}{13} $$

so x = 4 reminder

according to question the $$\sqrt{5x-2}$$

$$\Rightarrow \sqrt{18} $$ (put the value $$x$$)

$$\Rightarrow 3\sqrt {2}$$ Ans

**Question 145**

In $$\triangle ABC, \angle = 90^\circ, AB = 16 cm$$ and $$AC = 12 cm$$. D is the midpoint of AC and $$DE \perp CB$$ at E. What is the area (in cm$$^2$$) of $$\triangle$$CDE?

A    8.64

B    7.68

C    5.76

D    6.25

    **Answer:** A

**Explanation:**
from the given question we draw the diagram is given below
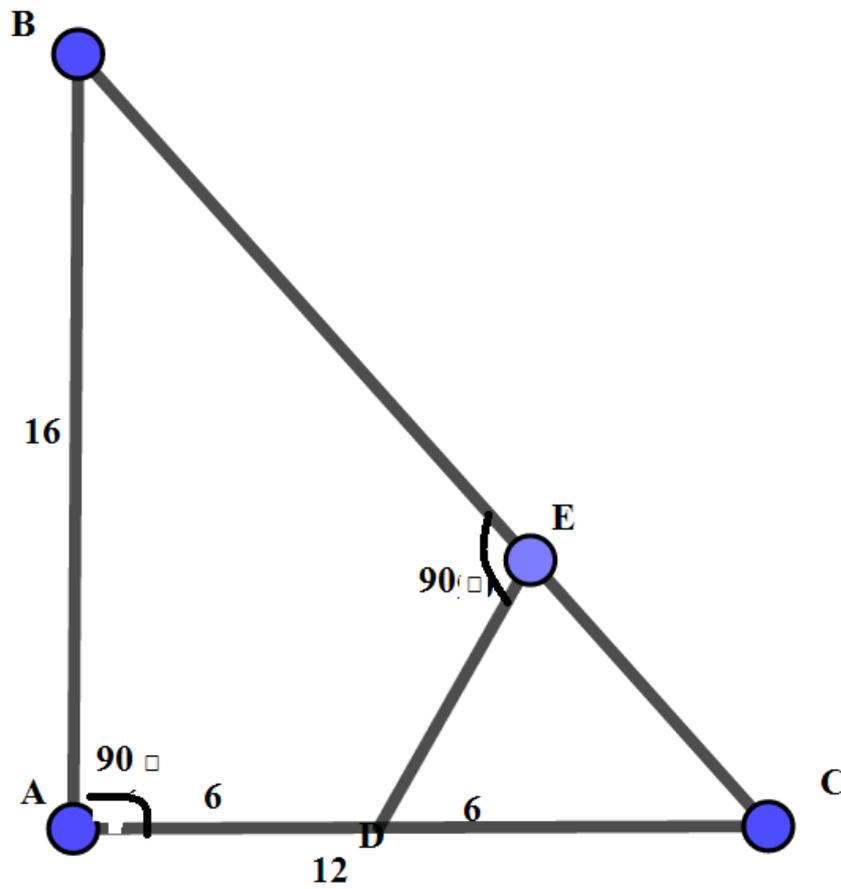


From the diagram , Let the $$\triangle DEC, \angle c= \theta$$

$$\tan \theta = \frac {16}{12}$$

$$\Rightarrow \tan \theta = \frac{4}{3}$$

$$\Rightarrow \theta = 53.13$$

So, $$\sin \theta = \frac{DE}{DC}$$

$$\Rightarrow \sin 53.13 \times 6= DE $$

$$\Rightarrow DE = 4.8 $$

from the Pythagoras' Theorem

EC = 3.6

then Area of $$ \triangle CDE = \frac{1}{2} \times 3.6 \times 4.8 $$

$$ \Rightarrow 8.64  cm^2 $$ Ans

**Question 146**

A sum (in ₹) is distributed between A, B and in the ratio 9 : 6: 11. If A gives ₹500 from his share to C, the ratio of shares of A, B and C becomes 4 : 3 : 6. What is the sum of shares(in ₹) of B and C, in the beginning?

**A**  ₹8,500

**B**  ₹9,100

**C**  ₹7,800

**D**  ₹7,500

**Answer:** A

**Explanation:**

In the first time, it will be A, B, and C ( where C is not printed )

Let us assume the share distributed between A, B, and C = $$9x, 6x, and 11x $$(where x is proportional constant)

Now A gives 500 to C and the ratio of shares becomes = 4:3:6

$$\Rightarrow (9x-500): 6x : (11x+500) = 4:3:6 $$

calculating A and 'C's share

$$ \dfrac{9x-500}{11x+500} =\dfrac {4}{6}  = \dfrac {2}{3}$$

$$\Rightarrow 27x - 1500 = 22x + 1000 $$

$$\Rightarrow 5x = 2500 $$

$$\Rightarrow x= 500 $$

At beginning B got = $$ 6 \times 500 = 3000$$

A got =$$ 9\times 500 = 4500 $$

C got =$$ 11 \times 500 = 5500 $$

Sum of share B and C = 3000 + 5500 = 8500 Ans

**Daily Free SSC Practice Set**

**Question 147**

Study the pie chart and answer the question.
Distribution (degree wise) of the number of computers sold by a shopkeeper during five months.

**Total Number of Computers Sold = 5400**
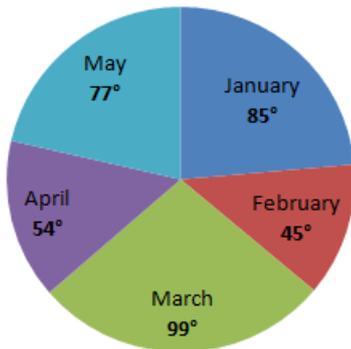


The total number of computers sold in February and April is what percentage more than the number of computers sold in May? (Your answer should be correct to one decimal place.)

A   25.8

B   28.6

C   30.2

D   26.4

   **Answer:** B

**Explanation:**
 in february = $$ \dfrac {45}{360} \times 5400 $$

$$\Rightarrow 675 $$

In april $$ \dfrac{54}{360} \times 5400$$

$$\Rightarrow 810 $$

again may = $$\dfrac{77}{360} \times 5400 $$

$$\Rightarrow 1155 $$

then total computers in February + April = 675 + 810 = 1485

so  % more than computers = $$\dfrac{ 1485- 1155}{1155}\times 100$$

$$\Rightarrow \dfrac{330}{1155} \times 100 $$

$$\Rightarrow 28.6 $$ Ans

**Question 148**

A person takes 40 minutes more than his usual time when he covers a distance of 20 km at 5 km/h.If he covers the same distance at 8 km/h, he takes x minutes less than the usual time. Whatis the value of x ?

A   48

B   54

C   45

D   50

   **Answer:** D

**Explanation:**
Given that Distance = 20 km ,speed = 5 km/hr

Usual time = $$ \dfrac {20}{5} = 4 \ hr $$

$$ \Rightarrow 4 - \dfrac {40}{60} = 4 - \dfrac {2}{3}$$(according to question)

$$\Rightarrow \dfrac {10}{3} $$

when speed 8 km/hr

usual time = $$ \dfrac {20}{8} =\dfrac {5}{2}$$

Less than usual time$$ x = \dfrac {10}{3} - \dfrac{5}{2}$$

$$\Rightarrow \dfrac{5}{6} hr $$

$$\Rightarrow \dfrac {5}{6}\times 60 $$ (change into minute)

$$\Rightarrow 50 \ min $$ Ans

**Question 149**

**An article is marked at 100% above its cost price. After allowing two successive discounts of 5% and 20% respectively on the marked price, it is sold at x% profit. What is the value of x?**

**A** 48

**B** 75

**C** 72

**D** 52

**Answer:** D

**Explanation:**

Let the Cp(cost price) be = $$x$$ and Mp(Marlet price) will be = 2$$x$$

Accordig to question Two successive discount 5% and 20 %

Selling price (sp) = $$ 2 x \times \dfrac{95}{100} \times \dfrac{80}{100} $$

$$\Rightarrow \dfrac{152}{100}x $$

Profit = selling price - cost price =$$\dfrac{152}{100}x - x $$

$$\Rightarrow \dfrac{152x-100x}{100 } = \dfrac{52}{100}x $$

$$\Rightarrow value of x = \dfrac { \dfrac {52}{100}x} {x} \times 100 $$

value of x =$$ \dfrac{52}{100}x \times \dfrac{1}{x} \times 100 $$

$$\Rightarrow x = 52 $$Ans

**Question 150**

**Study the bar graph and answer the question.**

**Life time(in hours)of neon lamps**
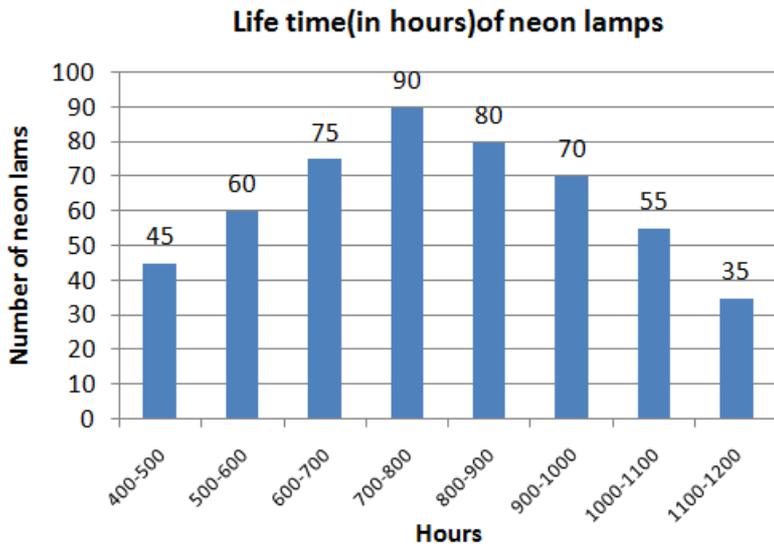


**The number of neon lamps having a life of 500 hours or more but less than 800 hours is:**

A  180

B  305

C  270

D  225

   **Answer:** D

**Explanation:**

The number of neon lamps having a life of 500 hours or more but less than 800 hours is:

from the given D I = 60+75+90 = 225 Ans

# English Comprehension

**Instructions**
For the following questions answer them individually

**Question 151**

**Select the most appropriate option to substitute the underlined segment. If no substitution is required select 'No substitution'**
**Even if he is a honest man,** he has been accused of theft.

A  Although he is an honest man

B  No substitution

C  Even though he is a honest man

D  Since he are an honest man

   **Answer:** A

**Question 152**

Select the most appropriate antonym of the given word.
**PERTURB**

A Fluster

B Soothe

C Confound

D Commend

 **Answer:** B

**Instructions**

Read the given passage and answer the questions that follow.

**Comprehension:**
The beaver had made a dam about hundred yards long, and it had formed out of the quickly flowing stream, a wide stretch of water about twelve feet deep. The dam was so firm and broad that it was easy for me to walk along it. After a hundred and fifty yards I came to a 'beaver's castle'- a great heap of logs skilfully fitted together, the lower part covered with earth and plants. The upper logs were put loosely together so that the air could pass through to the interior.

In the late autumn, before land and water are covered with snow and ice, the beaver has to make its dwelling frostproof. It collects young trees and gnaws the stems in a double cone until the tree falls.Then the long stems are gnawed into small sections, the thin twigs bitten off and the logs are dragged to the dwelling. There, the timber is piled on the castle, sometimes to a height of ten or twelve feet. Mud is brought up from the bottom of the lake and packed between the logs with the animal's clever forepaws. The interior is lined with the finest wood shavings. In this tall shelter, the beaver remains high and dry, and protected from frost throughout the winter.

The only access to the dwelling is under the water, and even the forest wolves are not able to pull the firm building apart. The water is the beaver's element. On land it moves slowly and awkwardly. Thus, it is vital for the beaver to have water in which it can swim, and where nature
has not provided this condition for it, it creates it with its dam.

The beaver's activities can change whole landscapes. With this dam, for instance, on which I was standing, beavers had turned a whole wooded alley into a lake; trees that stood there ha been killed by the water and had disappeared. Aquatic game had settled there. Ducks swam past us, and great must have been the number of fish, as swarms of trout had swum past me in the clear stream. Wide stretches of meadow had come into existence on the banks, with flat landing places to which the well-beaten beaver tracks led. Many years of building, gnawing and dragging must have gone into the completion of this immense task, creating a new region for the beaver to live in.

**Question 153**

**What evidence in the passage suggests that beavers build strong dwellings?**

A The beaver's dwelling is frostproof.

B It takes many years of hard work to build the dwelling.

C Even the forest wolves cannot pull the dwelling apart.

D The interior is lined with finest wood shavings.

 **Answer:** C

**Question 154**

**The beavers can change the landscape by:**

A building castles with great heaps of logs.

B dragging the logs of wood to the dwelling.

C building dams that can convert a wooded alley into a lake.

**D**   swimming in the water along with ducks and trouts.

   **Answer:** C

**Question 155**

**Which line in the passage most strongly indicates that weavers simply love being in or near water?**

**A**   The water is the beaver's element.

**B**   The dam was so firm and broad that it was easy to walk along.

**C**   The beaver had made a dam out of the quickly flowing stream.

**D**   The only access to the dwelling is under the water.

   **Answer:** A

**Question 156**

**Which of the following statements is NOT true?**

**A**   The beaver has to make its dwelling frostproof before it starts snowing.

**B**   The beaver can move quickly and easily on land and in water.

**C**   The access to the beaver's dwelling is under the water.

**D**   Wide stretches of meadows may come into existence on the banks of streams.

   **Answer:** B

**Question 157**

**How does a beaver ensure that its castle is well ventilated?**

**A**   The upper logs are loosely placed.

**B**   The timber is piled upto ten feet high on the castle.

**C**   The long stems are gnawed into small sections.

**D**   The logs are covered with earth and plants.

   **Answer:** A

**Instructions**
For the following questions answer them individually

**Question 158**

**Select the most appropriate option to fill in the blank.**
**Keep away from bad company _____ you should regret later.**

**A**   whether

**B**   unless

**C** although

**D** lest

   **Answer:** D

## Question 159

Select the most appropriate antonym of the given word.
IMPEDE

**A** Expedite

**B** Thwart

**C** Retard

**D** Hamper

   **Answer:** A

## Question 160

Identify the segment that contains a grammatical error. If there is no error, select 'No error'
Need you to buy so many books?

**A** so many books

**B** Need you

**C** to buy

**D** No error

   **Answer:** C

# SSC Study Material

## Question 161

Select the most appropriate meaning of the underlined idiom in the given sentence.
Unless you are <u>above board</u> in your dealings, you will not be able to win the trust of your clients.

**A** bold and reckless

**B** exceptionally talented

**C** smart and deceptive

**D** honest and frank

   **Answer:** D

## Question 162

Identify the segment that contains a grammatical error. If there is no error, select 'No error'
If he wants to recover, he must abstain for alcohol.

**A** No error

**B** wants to recover

**C**  he must

**D**  abstain for alcohol

   **Answer:** D

## Question 163

Select the option which is the most appropriate one word substitution for the given group of words.
**A detailed plan for a journey especially a list of places to visit**

**A**  directory

**B**  itinerary

**C**  trajectory

**D**  inventory

   **Answer:** B

**SSC Daily Practice Set**

## Question 164

Select the wrongly spelt word.

**A**  Sacrelegious

**B**  Manoeuvre

**C**  Millennium

**D**  Connoisseur

   **Answer:** A

## Question 165

Select the option which is the most appropriate one word substitution for the given group of words.
**One who denies oneself ordinary bodily pleasures**

**A**  aesthetic

**B**  theist

**C**  atheist

**D**  ascetic

   **Answer:** D

## Question 166

Select the most appropriate meaning of the underlined idiom in the given sentence.
**He is completely <u>at sea</u> about where to invest his hard-earned money.**

**A**  in shock

**B**  committed

**C** sure

**D** confused

   **Answer:** D

**Question 167**

**Select the most appropriate synonym of the given word.**
**FLOURISH**

**A** Languish

**B** Wither

**C** Shrivel

**D** Thrive

   **Answer:** D

**Question 168**

**Select the most appropriate option to fill in the blank.**
**Due to shortage of time, I was unable _____ the task satisfactorily.**

**A** for completing

**B** from complete

**C** to complete

**D** in completing

   **Answer:** C

**Question 169**

**Select the most appropriate meaning of the underlined idiom in the given sentence.**
**The thieves <u>made off</u> with all the cash and jewellery in the house.**

**A** squandered

**B** ran away with

**C** transferred

**D** discovered

   **Answer:** B

## Current Affairs Question and Answers (Download PDF)

**Question 170**

**Select the most appropriate option to fill in the blank.**
**I who _____ your friend and wellwisher, should have been informed about your decision.**

**A** be

**B** am

**C** is

**D** are

   **Answer:** B

## Question 171

Identify the segment that contains a grammatical error. If there is no error, select 'No error'
Either of the two supervisors were supposed to be present at the site.

**A** present at the site

**B** the two supervisors

**C** No error

**D** were supposed to be

   **Answer:** D

## Question 172

Select the most appropriate synonym of the given word.
PERPETUATE

**A** Cease

**B** Preserve

**C** Prevent

**D** Release

   **Answer:** B

## Daily and Monthly Current Affairs (Download PDF)

## Question 173

Select the wrongly spelt word.

**A** Eliminate

**B** Gluton

**C** Allergy

**D** Reliant

   **Answer:** B

## Question 174

Select the most appropriate antonym of the given word.
REPUGNANT

**A** Odious

**B** Pleasant

**C** Austere

**D** Sombre

   **Answer:** B

## Question 175

Select the most appropriate option to fill in the blank.
Hitler believed that the Nordic Aryan race was superior _____ all other races.

**A** than

**B** to

**C** in

**D** from

   **Answer:** B

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## Question 176

Select the option which is the most appropriate one word substitution for the given group of words.
A protected place for birds and animals

**A** island

**B** bunker

**C** estuary

**D** sanctuary

   **Answer:** D

## Question 177

Select the most appropriate option to fill in the blank.
You are well prepared to handle the responsibilities bestowed _____ you.

**A** at

**B** for

**C** to

**D** upon

   **Answer:** D

## Question 178

Select the most appropriate synonym of the given word.
DISCERN

**A**   Neglect

**B**   Disregard

**C**   Daunt

**D**   Perceive

    **Answer:** D

**Question 179**

**Identify the segment that contains a grammatical error. If there is no error, select 'No error'**
**We will have to walk now since we had missed the bus.**

**A**   since we had

**B**   We will have to

**C**   walk now

**D**   No error

    **Answer:** A

**Question 180**

**Select the option which is the most appropriate one word substitution for the given group of words.**
**A shortened form of a word or phrase**

**A**   pseudonym

**B**   abbreviation

**C**   precis

**D**   summary
    **Answer:** B

**Question 181**

**Select the most appropriate meaning of the underlined idiom in the given sentence.**
**The abrogation of article 370 was achieved <u>in the teeth of</u> tough resistance.**

**A**   in a state of uncertainty

**B**   in collaboration with

**C**   in a short span of time

**D**   in direct opposition to

    **Answer:** D

**Question 182**

Select the wrongly spelt word.

**A** Treasury

**B** Burglery

**C** Nursery

**D** Aviary

   **Answer:** B

**Question 183**

Select the most appropriate antonym of the given word.
DUBIOUS

**A** Likely

**B** Dusky

**C** Shady

**D** Fishy

   **Answer:** A

**Question 184**

Select the most appropriate meaning of the underlined idiom in the given sentence.
As the flood waters hit the coastal village, several families had  a close shave.

**A** nothing to eat

**B** a narrow escape

**C** to have no livelihood

**D** to lose all possessions
   **Answer:** B

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**Question 185**

Select the option which is the most appropriate one word substitution for the given group of words.
One who devotes one's life to the welfare of other people.

**A** martyr

**B** altruist

**C** alchemist

**D** ambassador

   **Answer:** B

**Question 186**

Select the most appropriate synonym of the given word.
**INIMICAL**

**A**  Deliberate

**B**  Comparable

**C**  Influential

**D**  Hostile

   **Answer:** D

**Question 187**

Select the most appropriate option to substitute the underlined segment. If no substitution is required select 'No substitution'
**She availed of** the big discounts at the sale.

**A**  No substitution

**B**  She availed for a

**C**  She availed on the

**D**  She availed herself of the

   **Answer:** D

## Free SSC Study Material (18,000 Solved Questions)

**Question 188**

Identify the segment that contains a grammatical error. If there is no error, select 'No error'
These facts should not have been disclosed for the public.

**A**  No error

**B**  not have been disclosed

**C**  for the public

**D**  These facts should

   **Answer:** C

**Question 189**

Select the most appropriate option to substitute the underlined segment. If no substitution is required select 'No substitution'
**If I would have a degree** from the university, I would get a good job.

**A**  When I will have a degree

**B**  If I am having the degree

**C**  No substitution

**D**  If I had a degree

   **Answer:** D

**Instructions**

Read the given passage and fill in the blanks with the most appropriate options.

**Comprehension:**

The refugees coming by boat to Italy have already set a record this year. The surge (1)_____ partly from the civil war in Syria, which has forced 3 million people to (2)_____ their homeland. Europe, peaceful, affluent and comparatively close- is a preferred (3)_____. It's where the desperate meets the developed. Often with the aid (4)_____ reckless human traffickers, refugees attempt to cross the waters in rubber dinghies that can (5)_____, plunging the occupants into the sea.

**Question 190**

**Select the most appropriate option to fill in blank No.1**

**A**  has resulted

**B**  have resulted

**C**  is resulted

**D**  is resulting

 **Answer:** A

**Question 191**

**Select the most appropriate option to fill in blank No.2**

**A**  fly

**B**  flee

**C**  fleet

**D**  fled

 **Answer:** B

**Question 192**

**Select the most appropriate option to fill in blank No.3**

**A**  purpose

**B**  destination

**C**  objective

**D**  target

 **Answer:** B

**Question 193**

**Select the most appropriate option to fill in blank No.4**

**A**  by

**B**  for

**C**  of

**D** on

Answer: C

**Question 194**

Select the most appropriate option to fill in blank No.5

**A** renege

**B** inverse

**C** convert

**D** capsize

Answer: D

**Instructions**

For the following questions answer them individually

**Question 195**

Select the wrongly spelt word.

**A** Omission

**B** Avertion

**C** Aviation

**D** Evasion

Answer: B

**Question 196**

Select the most appropriate synonym of the given word.
**VENERABLE**

**A** Reliable

**B** Valuable

**C** Esteemed

**D** Redeemed

Answer: C

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**Question 197**

Select the most appropriate antonym of the given word.
**DEMEAN**

**A** Debase

**B**   Belittle

**C**   Admire

**D**   Ignore

   **Answer:** C

## Question 198

Select the most appropriate option to substitute the underlined segment. If no substitution is required select 'No substitution'
Neither the directors nor the Chairman <u>were available to</u> interrogation.

**A**   were available for

**B**   were available by

**C**   was available for

**D**   No substitution

   **Answer:** C

## Question 199

Select the wrongly spelt word.

**A**   Article

**B**   Audibal

**C**   Precious

**D**   Conceal

   **Answer:** B

## Question 200

Select the most appropriate option to substitute the underlined segment. If no substitution is required select 'No substitution'
He had <u>barely spoken the words when</u> he realised his mistake.

**A**   barely speak the words that

**B**   No substitution

**C**   barely spoken the words than

**D**   barely spoke the words when

   **Answer:** B

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