



SSC CHSL 20th October 2020 Shift-2

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English Language (Basic Knowledge)

Instructions

For the following questions answer them individually

Question 1

Identify the segment in the given sentence which contains the grammatical error.

Soni take her daughter to the park in the evening in a stroller.

- A to the park
- B in a stroller
- C Soni take her daughter
- D in the evening

Answer: C

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Question 2

Select the INCORRECTLY spelt word.

- A Unpretentious
- B Recurrent
- C Dilemma
- D Excellence

Answer: A

Question 3

Select the word which means the same as the group of words given.

A type of magic in which spirits, especially evil ones, are used to make things happen

- A Chemistry
- B Sorcery
- C Mimicry
- D Alchemy

Answer: B

Question 4

Select the most appropriate option to fill in the blank in the given sentence.

We must not take the future for granted; rather, we should enjoy the _____ joys of our humdrum lives.

- A habitual
- B average
- C everyday

D future

Answer: C

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Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

One of the reasons we fail to talk convincingly about climate change is that we present it as something "out there". We (1)_____ to make it clear (2)_____ it's linked to (3)_____ daily decisions, such as walking (4)_____ driving, and not talk about it in (5)_____ of abstractions.

Question 5

Select the most appropriate option to fill in blank number 1.

A keep

B use

C need

D know

Answer: C

Question 6

Select the most appropriate option to fill in blank number 2.

A that

B so

C if

D then

Answer: A

Question 7

Select the most appropriate option to fill in blank number 3.

A our

B much

C their

D those

Answer: A

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Question 8

Select the most appropriate option to fill in blank number 4.

- A never
- B before
- C or
- D also

Answer: C

Question 9

Select the most appropriate option to fill in blank number 5.

- A voices
- B words
- C terms
- D things

Answer: C

Instructions

For the following questions answer them individually

Question 10

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The book's page seem to have been torn by someone.

- A The book's page seems
- B The page of the book has seem
- C The page of the book was seems
- D No improvement

Answer: A

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Question 11

Select the most appropriate meaning of the underlined idiom in the given sentence.

Ashutosh kept a stiff upper lip even when he was reprimanded in the presence of clients.

- A behaved insolently
- B kept shouting
- C remained expressionless
- D started sniggering

Answer: C

Question 12

Select the most appropriate ANTONYM of the given word.

APEX

- A Base
- B Pinnacle
- C Asset
- D Force

Answer: A

Question 13

Select the most appropriate synonym of the given word.

MOTIF

- A Purpose
- B Reason
- C Creation
- D Design

Answer: D

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Question 14

Select the most appropriate meaning of the underlined idiom in the given sentence.

Have you heard the news that Hema is looking for greener pastures?

- A was feeling rejected
- B has been fired
- C exploring new opportunities
- D has been transferred

Answer: C

Question 15

Select the option that is the direct form of the given sentence.

Explaining her work she said that she made films for posterity to remember.

- A Explaining her work, she said, "She makes films for posterity to remember."
- B Explaining her work, she said, "I will make the films that will remember posterity."
- C Explaining her work, she said, "She made films for posterity to remember."
- D Explaining her work, she said, "I make films for posterity to remember."

Answer: D

Question 16

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. The father then wanted his son to pick him up at four in the afternoon so that they could go home together.
- B. A teenager had just passed his driving test and was eager to drive his father's car.
- C. He asked his son to drop him at a place that was some 18 miles from home before he took the car for servicing.
- D. His father agreed.

A BCAD

B ADBC

C CBAD

D BDCA

Answer: D

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Question 17

Identify the segment in the given sentence which contains the grammatical error.

The wedding reception will be hosted in Mumbai at a late date.

A will be hosted

B at a late date

C The wedding reception

D in Mumbai

Answer: B

Question 18

Select the word which means the same as the group of words given.

A deep fissure in the earth's surface

A Chasm

B Tremor

C Earthquake

D Volcano

Answer: A

Question 19

Select the most appropriate synonym of the given word.

ACCRUE

A Spread

B Collect

C Range

D Variety

Answer: B

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Question 20

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. In reality, however, we exist in compartments, separated by walls of caste, religion, and geography.
- B. But we find that ignorance levels are growing as well because the rate at which we are accumulating information is not commensurate with the rate at which our awareness is growing.
- C. Technologically we live in a borderless world.
- D. Another paradox is that we take pride in describing ourselves as a knowledge-based society.

A ABDC

B CBAD

C CADB

D BADC

Answer: C

Question 21

Select the option that is the passive form of the given sentence.

This book explores the secret of leading a long and meaningful life.

- A The secret of leading a long and meaningful life is explored in this book.
- B The secret of leading a long and meaningful life was being explored by this book.
- C The secret of leading a long and meaningful life have been explored by this book.
- D The secret of leading a long and meaningful life had been explored by this book.

Answer: A

Question 22

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Have you got confirmation of the receipt of the donation?

- A Did you got confirmation
- B No improvement
- C Have you get confirmation
- D Has you got confirmations

Answer: B

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Question 23

Select the most appropriate **ANTONYM** of the given word.
EXPUNGE

- A Deplete
- B Remove
- C Insert
- D Exhaust

Answer: C

Question 24

Select the most appropriate option to fill in the blank in the given sentence.

A literature festival on the beach: With waves crashing on the beach, the Kerala Literature Festival got _____ in Kozhikode with a range of panel discussions in English and Malayalam.

- A apart
- B underway
- C away
- D wayward

Answer: B

Question 25

Select the correctly spelt word.

- A Squirrell
- B Exquiste
- C Recquirement
- D Acquaintance

Answer: D

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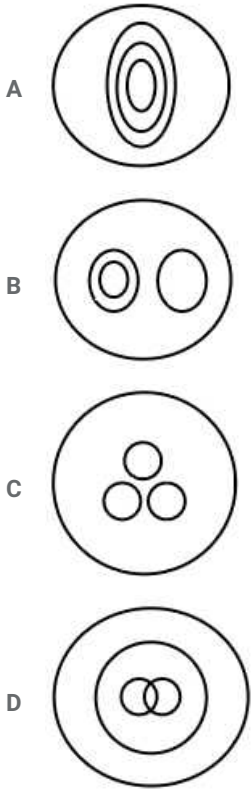
General Intelligence

Instructions

For the following questions answer them individually

Question 26

Select the Venn diagram that best represents the relationship between the following classes.
Physics, Science, Biology, Zoology

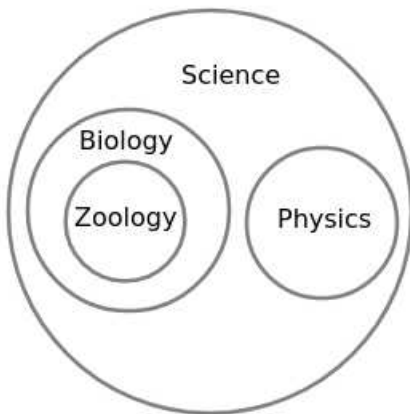


Answer: B

Explanation:

Physics, Biology comes under Science and Zoology comes under Biology.

∴ The Venn diagram that best represents the relationship between the given classes is



Hence, the correct answer is Option B

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Question 27

In a certain code language, DEAF is written as 'HJGM'. How will CALM be written as in that language?

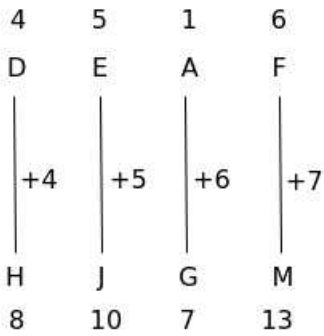
- A EBXY
- B FBXY
- C GFRT
- D GCYZ

Answer: C

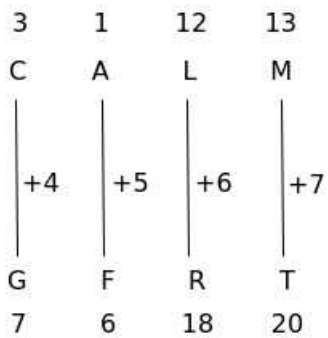
Explanation:

Given, DEAF is written as HJGM in the code language

The logic here is



Similarly,



∴ CALM is written as GFRT in code language

Hence, the correct answer is Option C

Question 28

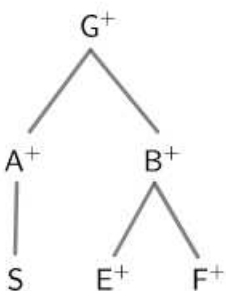
G is the grandfather of S. B has only two sons E and F. A and B are the only sons of G. Who is the father of S?

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

Answer: A

Explanation:

According to the problem, the family tree is



∴ A is the father of S

Hence, the correct answer is Option A

Question 29

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

Distance : Kilometers

- A Volume : Liters
- B Bushel : Corn
- C Fame : Television
- D Weight : Scale

Answer: A

Explanation:

Distance is measured in Kilometers. Similarly, Volume is measured in Liters.

∴ Volume and Liters share the same relationship as Distance and Kilometers.

Hence, the correct answer is Option A

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Question 30

Four number-sets have been given below, out of which three are alike in some manner and one is different. Select the number-set that is different from the rest.

- A (84, 116, 181)
- B (44, 89, 179)
- C (71, 108, 182)
- D (35, 81, 173)

Answer: A

Explanation:

(84, 116, 181) → $116 - 84 = 32$ and $181 - 116 = 65$

(44, 89, 179) → $89 - 44 = 45$ and $179 - 89 = 90$

(71, 108, 182) → $108 - 71 = 37$ and $182 - 108 = 74$

(35, 81, 173) → $81 - 35 = 46$ and $173 - 81 = 92$

The difference between third and second number is twice the difference between second and first number except in (84, 116, 181).

∴ (84, 116, 181) is the different one among the given number number-sets.

Hence, the correct answer is Option A

Question 31

What will be the value of 'a + b' in the following equation?

$$[4(3 + \{9 \times 6 \div 3 + \{12 \div (1 \div 1 \times 3)\})] = 5^a \times 2^b$$

- A 5
- B 6
- C 7
- D 4

Answer: D

Explanation:

$$[4(3 + \{9 \times 6 \div 3 + \{12 \div (1 \div 1 \times 3)\})}] = 5^a \times 2^b$$

$$\Rightarrow [4(3 + \{9 \times 6 \div 3 + \{12 \div (1 \times 3)\})}] = 5^a \times 2^b$$

$$\Rightarrow [4(3 + \{9 \times 6 \div 3 + \{12 \div 3\})}] = 5^a \times 2^b$$

$$\Rightarrow [4(3 + \{9 \times 6 \div 3 + 4\})] = 5^a \times 2^b$$

$$\Rightarrow [4(3 + \{9 \times 2 + 4\})] = 5^a \times 2^b$$

$$\Rightarrow [4(3 + \{18 + 4\})] = 5^a \times 2^b$$

$$\Rightarrow [4(3 + 22)] = 5^a \times 2^b$$

$$\Rightarrow [4(25)] = 5^a \times 2^b$$

$$\Rightarrow 100 = 5^a \times 2^b$$

$$\Rightarrow 25 \times 4 = 5^a \times 2^b$$

$$\Rightarrow 5^2 \times 2^2 = 5^a \times 2^b$$

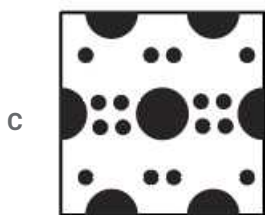
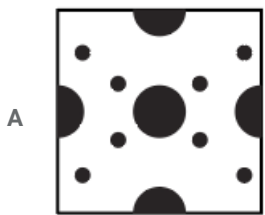
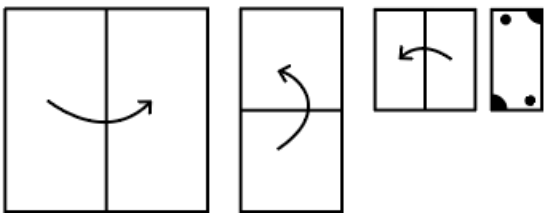
Comparing both sides, $a = 2$ and $b = 2$

$$\therefore a + b = 2 + 2 = 4$$

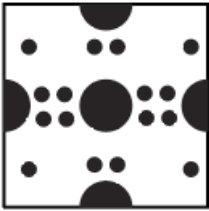
Hence, the correct answer is Option D

Question 32

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?



D

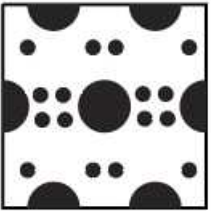


Answer: C

Explanation:

When the paper is unfolded first to the right, a dark semi circle will form on the top of the top left quadrant and circles are placed similarly in the right part of the top left quadrant.

When the paper is unfolded further, the pattern of cutting will be similar in the remaining three quadrants as shown below



Hence, the correct answer is Option C

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Question 33

Select the option that is related to the third number in the same way as the second number is related to the first number.

132 : 156 :: 462 : ?

- A 505
- B 484
- C 503
- D 506

Answer: D

Explanation:

The logic here is

$$11 \times 12 = 132$$

$$12 \times 13 = 156$$

Similarly,

$$21 \times 22 = 462$$

$$\text{Fourth number} = 22 \times 23 = 506$$

∴ 506 is related to 462 in the same way 156 is related to 132.

Hence, the correct answer is Option D

Question 34

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

- A Nuclear Fuel
- B Coal

C Natural Gas

D Biomass

Answer: A

Explanation:

Coal, Natural Gas, Biomass are natural fuels whereas Nuclear fuels are not natural fuels.

∴ Nuclear fuels is the different one among the given words.

Hence, the correct answer is Option A

Question 35

Read the given statements carefully. Assuming that the information given in the statements is true, decide which of the given conclusions is correct based on the statements.

Statements:

1. Ram goes to mathematics class on Monday.
2. He attends literature classes on Friday.
3. He goes to guitar classes the day before he goes to history classes.
4. He attends history classes 2 days before literature classes.

A Ram goes to guitar classes on Tuesday.

B Ram goes to guitar classes on Sunday.

C Ram goes to guitar classes on Saturday.

D Ram attends history classes on Saturday.

Answer: A

Explanation:

Ram attends literature classes on Friday.

He attends history classes 2 days before literature classes.

⇒ Ram attends history classes on Wednesday.

He goes to guitar classes the day before he goes to history classes.

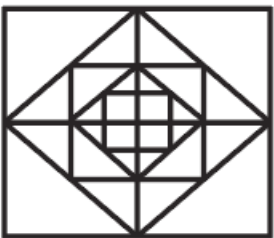
⇒ Ram goes to guitar classes on Tuesday.

Hence, the correct answer is Option A

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Question 36

Find the number of squares in the following figure.



A 12

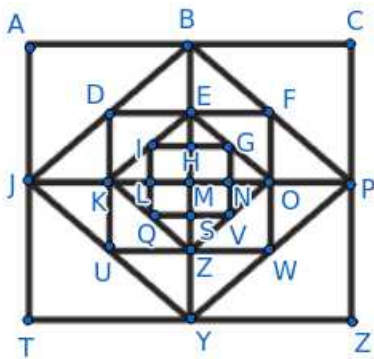
B 17

C 13

D 16

Answer: B

Explanation:



The different squares in the given figure is ACTZ, ABMJ, CBMP, TYMJ, ZYMP, DFWU, DEMK, FEMO, UZMK, WZMO, IGVQ, IHML, GHMN, VSMN, QSML, JBPY, KEOZ

∴ The number of squares in the given figure = 17

Hence, the correct answer is Option B

Question 37

Select the option figure that can replace the question mark in the following series.



- A ●●●●●●●○
- B ●●●●●●●●
- C ●●●●●●●○
- D ●●●●●●●●

Answer: B

Explanation:

In the given series, when white circle is at right side the number of circles is increased by 1 and when the black circle is at right side the number of circles is increased by 2. The next figure will be increased by 2 circles since black circle is at right side on the last figure. Also, the white and black circles are placed alternatively in the series.

∴ The figure that can replace the question mark in the given series is



Hence, the correct answer is Option B

Question 38

Select the correct sequence of the following words (based on inside to outside of the reproductive system of a flower).

1. Ovary
2. Stigma
3. Ovule
4. Petal

- A 3, 2, 1, 4
- B 4, 3, 2, 1
- C 3, 1, 2, 4

D 2, 1, 3, 4

Answer: C

Explanation:

Ovule is the inner part of the flower which is inside Ovary. Stigma will be above the Ovary in the flower. Petal is the outside part of the flower.

∴ The sequence of the words based on inside to outside of the reproductive system of a flower is Ovule, Ovary, Stigma, Petal

Hence, the correct answer is Option C

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Question 39

A person is employed to a company on salary of ₹ 6,000 per month. Through out the year, he remained absent from work for 15 days. If ₹ 200 gets deducted for every single holiday, then how much money will he earn at the end of the year ?

A ₹ 72,000

B ₹ 70,000

C ₹ 69,000

D ₹ 75,000

Answer: C

Explanation:

Salary of the person per month = ₹ 6,000

Salary of the person per year = $6000 \times 12 = ₹ 72,000$

Deduction for 1 holiday = ₹ 200

Deduction for 15 holidays = $15 \times 200 = ₹ 3,000$

∴ Money earned by the person at the end of the year = $72000 - 3000 = ₹ 69,000$

Hence, the correct answer is Option C

Question 40

Select the option that is related to the third term in the same way as the second term is related to the first term.

Longest day : June :: Shortest day : ?

A December

B February

C January

D November

Answer: A

Explanation:

Longest day will be in the month of June and Shortest day will be in the month of December.

∴ December is related to Shortest day in the same way June is related to Longest day.

Hence, the correct answer is Option A

Question 41

In certain code language, BOOK is coded as 139 and PEN is coded as 302. How will COPY be coded as in that language?

A 2547

B 167

C 2822

D 279

Answer: C

Explanation:

Given, BOOK is coded as 139 and PEN is coded as 302 in the code language

$K + B = 13$ and $K - B = 9$

$P + N = 30$ and $P - N = 2$

The code for word is the combination of sum and difference of values of first and last letters of the word.

Similarly, for COPY

$Y + C = 28$ and $Y - C = 22$

∴ COPY is coded as 2822 in the code language

Hence, the correct answer is Option C

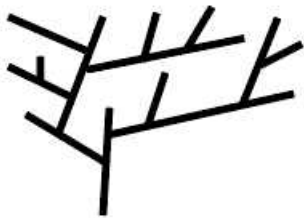
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Question 42

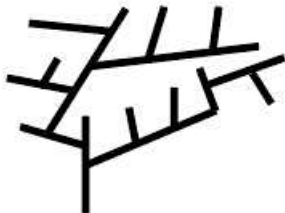
Select the option in which the given figure is embedded. (Rotation is not allowed)



A



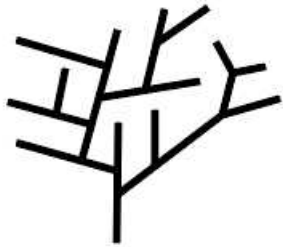
B



C



D



Answer: D

Explanation:

The given figure is embedded in the fourth figure as shown below



Hence, the correct answer is Option D

Question 43

In a certain code language, MENTION is written as NEITNOM. How will PATTERN be written as in that language?

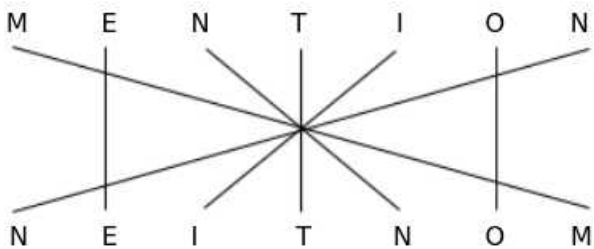
- A LSOIANN
- B RESWNDU
- C DOEECTS
- D NAETTRP

Answer: D

Explanation:

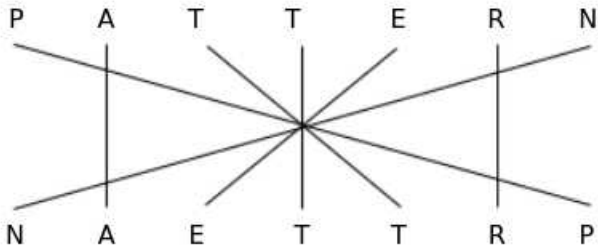
Given, MENTION is written as NEITNOM in the code language

The logic here is



Letters are interchanged and remained same alternatively in the code language as shown above

Similarly,

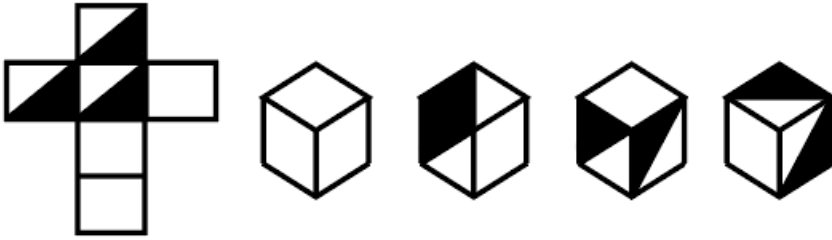


∴ PATTERN is written as NAETTRP in the code language

Hence, the correct answer is Option D

Question 44

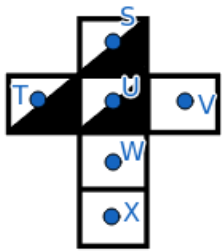
Select the box (figures 1 to 4) that can be formed by folding the given sheet along the lines.



- A Only figures 3 and 4
- B Only figures 1 and 2
- C Only figures 1, 3 and 4
- D Only figure 2

Answer: C

Explanation:



The figure 1 can be formed by the three white faces V,W,X of the sheet along the lines.

The figure 2 cannot be formed since there is no black face in the faces of the given sheet.

The figure 3 can be formed by the three faces V,S,U of the sheet along the given lines.

The figure 4 can be formed by the three faces S,T,X of the sheet along the given lines.

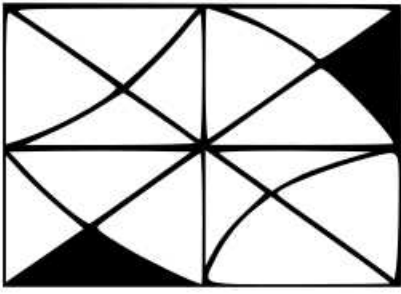
∴ The figures 1,3,4 can be formed by folding the given sheet along the lines.

Hence, the correct answer is Option C

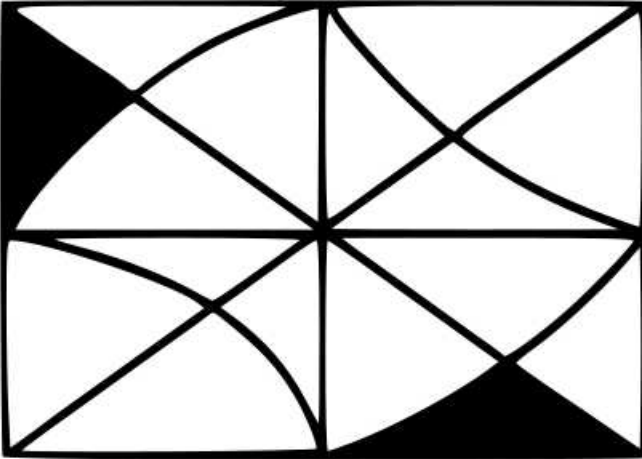
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Question 45

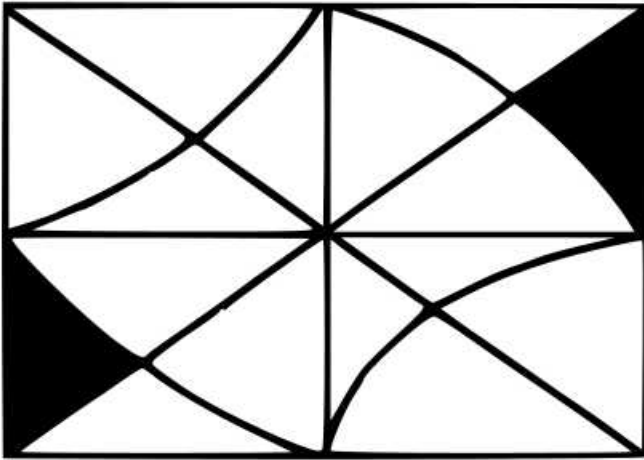
Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



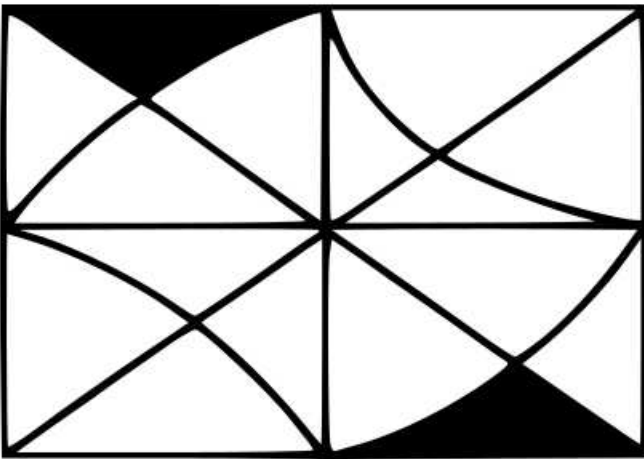
A

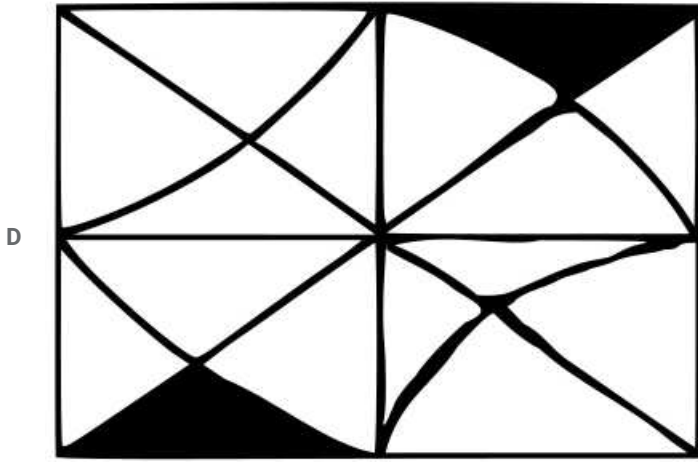


B



C





D

Answer: A

Explanation:

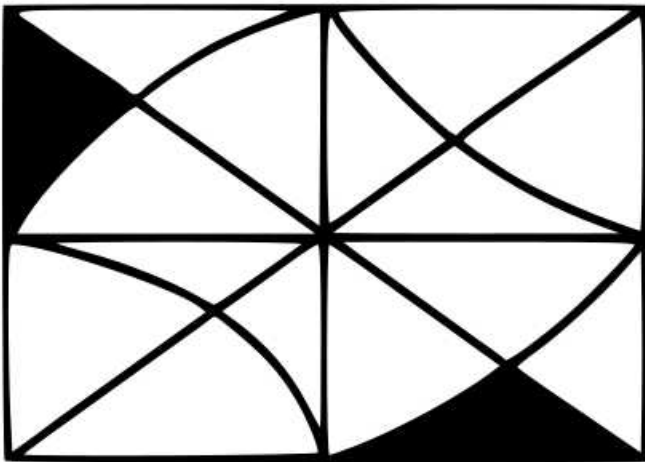
When the mirror is placed on the right side of the figure,

The facing of the figure to the left and right direction changes to the opposite direction in the mirror image (left facing changes to right and vice versa). There won't be change in shape of the figure.

The black part at the top right of the figure will be at the top left in the mirror image.

The black part at the bottom left of the figure will be at the bottom right in the mirror image.

∴ The mirror image of the given figure is



Hence, the correct answer is Option A

Question 46

Select the option that is related to the third number in the same way as the second number is related to the first number.

14 : 182 :: 22 : ?

- A 244
- B 482
- C 462
- D 444

Answer: C

Explanation:

The logic here is

$$14^2 - 14 = 196 - 14 = 182$$

Second number is difference of square of first number and first number.

Similarly,

$$\text{Fourth number} = 22^2 - 22 = 484 - 22 = 462$$

\therefore 462 is related to 22 in the same way 182 is related to 14.

Hence, the correct answer is Option C

Question 47

Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

A DCEBF

B TUSVR

C HGIFJ

D RQSPT

Answer: B

Explanation:

In DCEBF, HGIFJ, RQSPT, the fourth letter, second letter, first letter, third letter, fifth letter are in alphabetical order respectively. In TUSVR, the fourth letter, second letter, first letter, third letter, fifth letter are in not alphabetical order.

\therefore TUSVR is the odd one among the given letter-clusters

Hence, the correct answer is Option B

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Question 48

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

2, 3, 6, 15, ?, 157.5, 630

A 54

B 49

C 48

D 45

Answer: D

Explanation:

Given series is 2, 3, 6, 15, ?, 157.5, 630

The logic here is

$$2 \times 1.5 = 3$$

$$3 \times 2 = 6$$

$$6 \times 2.5 = 15$$

$$\text{Similarly, the next number} = 15 \times 3 = 45$$

$$45 \times 3.5 = 157.5$$

$$157.5 \times 4 = 630$$

\therefore The required number = 45

Hence, the correct answer is Option D

Question 49

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

a b b _ b _ _ b a b _ _ b a b b b b _ _

- A b a b b a a b
- B a b b a a b b
- C a b b a b a b
- D a b b a a a b

Answer: C

Explanation:

By Trial and Error method,

Option A

a b b b b | a b b a b | b a b a b | b b b a b

The above letters do not form a series. Hence option A is incorrect.

Option B

a b b a b | b b b a b | a a b a b | b b b b b

The above letters do not form a series. Hence option B is incorrect.

Option C

a b b a b | b b b a b | a b b a b | b b b a b

The above letters form a series.

Hence, the correct answer is Option C.

Question 50

Identify the number that does NOT belong to the following series.

81, 54, 36, 27, 22

- A 27
- B 36
- C 22
- D 54

Answer: C

Explanation:

$$81 - 54 = 27$$

$$54 - 36 = 18$$

$$36 - 27 = 9$$

The difference of consecutive numbers is the decreasing multiple of 9. The next difference should be 0.

Similarly, the next number in the series = $27 + 0 = 27$

The required series should be 81, 54, 36, 27, 27

\therefore 22 do not belong to the series.

Hence, the correct answer is Option C

SSC CGL Previous Papers (DOWNLOAD PDF)

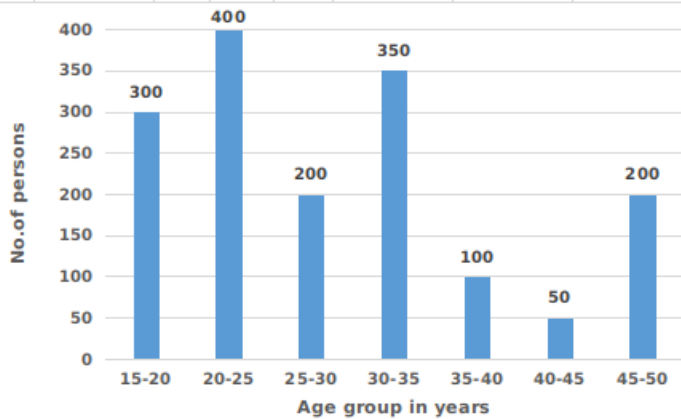
Quantitative Aptitude(Basic Arithmetic Skill)

Instructions

For the following questions answer them individually

Question 51

A study was made for the number of persons of different age group visited in a library in a week which is shown in the histogram. Study the histogram and answer the question given below.



The ratio of the number of persons in the age groups 15-20 years and 20-25 years together, to the number of persons in the age groups 30-35 years and 35-40 years together, is:

- A 14 : 9
- B 13 : 9
- C 14 : 17
- D 15 : 19

Answer: A

Explanation:

From the histogram,

Number of persons in the age groups 15-20 years and 20-25 years together = $300 + 400 = 700$

Number of persons in the age groups 30-35 years and 35-40 years together = $350 + 100 = 450$

\therefore Required ratio = $700 : 450 = 14 : 9$

Hence, the correct answer is Option A

SSC CGL Free Mock Test (Latest Pattern)

Question 52

If $x = 3 + 2\sqrt{2}$, then the value of $x^2 + \frac{1}{x^2}$ is

- A 36
- B 32
- C 30
- D 34

Answer: D

Explanation:

$$\text{Given, } x = 3 + 2\sqrt{2}$$

$$\Rightarrow \frac{1}{x} = \frac{1}{3+2\sqrt{2}} \times \frac{3-2\sqrt{2}}{3-2\sqrt{2}}$$

$$\Rightarrow \frac{1}{x} = \frac{3-2\sqrt{2}}{9-8}$$

$$\Rightarrow \frac{1}{x} = 3 - 2\sqrt{2}$$

$$\left(x + \frac{1}{x}\right)^2 = (3 + 2\sqrt{2} + 3 - 2\sqrt{2})^2$$

$$\Rightarrow x^2 + \frac{1}{x^2} + 2 = 6^2$$

$$\Rightarrow x^2 + \frac{1}{x^2} + 2 = 36$$

$$\Rightarrow x^2 + \frac{1}{x^2} = 34$$

Hence, the correct answer is Option D

Question 53

If $x + \frac{1}{x} = 5$, $x \neq 0$ then the value of $x^4 + \frac{1}{x^2} - 3x + 1$ is equal to:

A 50

B 65

C 60

D 55

Answer: D

Explanation:

$$\text{Given, } x + \frac{1}{x} = 5$$

$$x^4 + \frac{1}{x^2} - 3x + 1 = x(x^3 + \frac{1}{x^3}) - 3(x + \frac{1}{x}) + 1$$

$$= x^3 + \frac{1}{x^3} - 3(x + \frac{1}{x}) + 1$$

$$= (x + \frac{1}{x})^3 - 3(x + \frac{1}{x}) + 1$$

$$= (5)^3 - 3(5) + 1$$

$$= 125 - 15 + 1$$

$$= 110 + 1$$

$$= 111$$

Hence, the correct answer is Option D

Question 54

A man travelled a distance of 35 km in 5 hours. He travelled partly on foot at the rate of 4 km/h and the rest on bicycle at the rate of 9 km/h. The distance travelled on foot is:

A 8 km

B 10 km

C 15 km

D 12 km

Answer: A



Explanation:

Let the distance travelled on foot = d

⇒ Distance travelled on bicycle = 35 - d

Speed of the man on foot = 4 km/h

Time taken by the man on foot = $\frac{d}{4}$

Speed of the man on bicycle = 9 km/h

Time taken by the man on bicycle = $\frac{35-d}{9}$

Total time taken by the man = 5 hours

$$\Rightarrow \frac{d}{4} + \frac{35-d}{9} = 5$$

$$\Rightarrow \frac{d}{4} + \frac{35}{9} - \frac{d}{9} = 5$$

$$\Rightarrow \frac{9d-4d}{36} = 5 - \frac{35}{9}$$

$$\Rightarrow \frac{5d}{36} = \frac{10}{9}$$

$$\Rightarrow d = 8 \text{ km}$$

∴ Distance travelled on foot = 8 km

Hence, the correct answer is Option A

SSC CHSL Important Questions and Answers (Download PDF)

Question 55

If $x + \frac{4}{x} - 4 = 0$, then the value of $x^2 - 4$ is equal to:

A 0

B 4

C 2

D 1

Answer: A

Explanation:

Given, $x + \frac{4}{x} - 4 = 0$

$$\Rightarrow x^2 + 4 - 4x = 0$$

$$\Rightarrow (x - 2)^2 = 0$$

$$\Rightarrow x - 2 = 0$$

$$\Rightarrow x = 2$$

$$\therefore x^2 - 4 = 2^2 - 4 = 4 - 4 = 0$$

Hence, the correct answer is Option A

Question 56

A, B and C are three points on the circle. If $AB = AC = 7\sqrt{2}$ cm and $\angle BAC = 90^\circ$, then the radius is equal to:

A $7\sqrt{2} \text{ cm}$

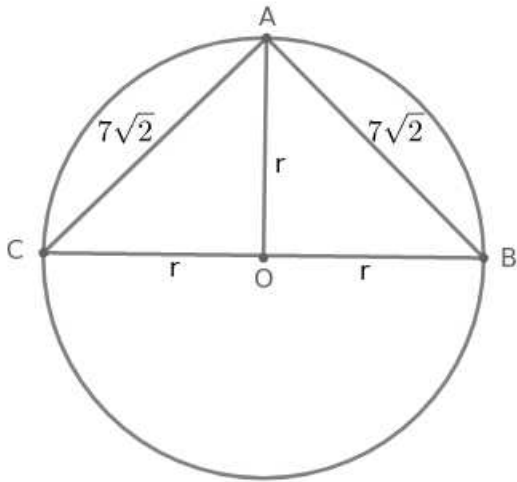
B 7 cm

C 14 cm

D 6 cm

Answer: B

Explanation:



Given A, B and C are three points on the circle.

$$\angle BAC = 90^\circ$$

Angle subtended by the diameter at any point on the circle is 90° and the inverse is also true.

So BC is the diameter subtending 90° at point A as shown in figure.

$$AB = AC = 7\sqrt{2} \text{ cm}$$

Let the radius of the circle = r

From the figure,

$$r^2 + r^2 = (7\sqrt{2})^2$$

$$\Rightarrow 2r^2 = 49 \times 2$$

$$\Rightarrow r^2 = 49$$

$$\Rightarrow r = 7 \text{ cm}$$

\therefore Radius of the circle = 7 cm

Hence, the correct answer is Option B

Question 57

Two concentric circles form a ring. The inner and outer circumferences of the ring are 22 cm and 44 cm, respectively. The width of the ring is: (take $\pi = \frac{22}{7}$)

A 1.5 cm

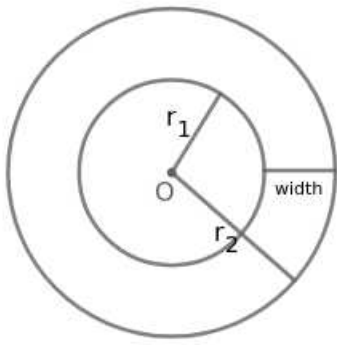
B 2.5 cm

C 3 cm

D 3.5 cm

Answer: D

Explanation:



Let the radius of inner and outer circles are r_1 and r_2 respectively.

Circumference of inner circle = 22 cm

$$\Rightarrow 2\pi r_1 = 22$$

$$\Rightarrow 2 \times \frac{22}{7} \times r_1 = 22$$

$$\Rightarrow r_1 = 3.5 \text{ cm}$$

Circumference of outer circle = 44 cm

$$\Rightarrow 2\pi r_2 = 44$$

$$\Rightarrow 2 \times \frac{22}{7} \times r_2 = 44$$

$$\Rightarrow r_2 = 7 \text{ cm}$$

\therefore Width of the ring = $r_2 - r_1 = 7 - 3.5 = 3.5 \text{ cm}$

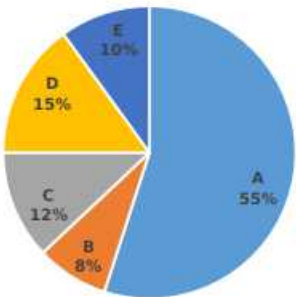
Hence, the correct answer is Option D

SSC CHSL Study Material

Question 58

Study the following pie-chart and answer the given question.

The pie-chart shows Budget Expenditure of a company in the year 2018 (percentage distribution) on different heads A, B, C, D & E.



If ₹ 165 crore were spent in year 2018 on A, what would have been the total expenditure for that year (in ₹ crores)?

A ₹ 400

B ₹ 320

C ₹ 350

D ₹ 300

Answer: D

Explanation:

From the pie-chart,

Percentage expenditure on A = 55%

Let the total expenditure in 2018 = T

$$\text{Expenditure on A} = \frac{55}{100} \times T$$

According to the problem, expenditure on A = ₹ 165 crore

$$\Rightarrow \frac{55}{100} \times T = 165$$

$$\Rightarrow T = ₹ 300 \text{ crore}$$

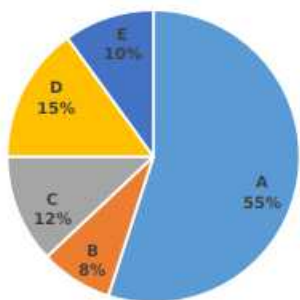
∴ Total expenditure in 2018 = ₹ 300 crore

Hence, the correct answer is Option D

Question 59

Study the following pie-chart and answer the given question.

The pie-chart shows the Budget Expenditure of a company in the year 2018 (percentage distribution) on different heads A, B, C, D & E.



The central angle of the sector representing expenditure on head D is:

A 52°

B 45°

C 56°

D 54°

Answer: D

Explanation:

From the pie-chart,

Percentage expenditure on D = 15%

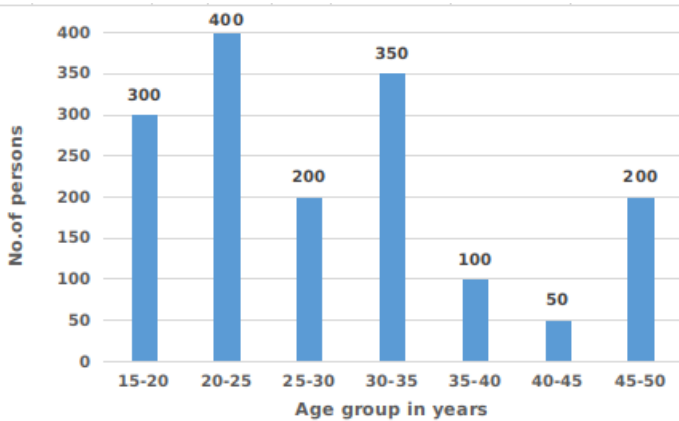
The central angle of the sector representing expenditure on head D = $\frac{15}{100} \times 360^\circ = 54^\circ$

Hence, the correct answer is Option D

Question 60

Study the following histogram and answer the given question.

A study was made for the number of persons of different age group visited in a library in a week which is shown in given in the histogram. Study the histogram and answer the question given below.



What percent of the total number of persons visiting library in the week was the number of persons of age group 25-30 years?

- A 15%
- B 12%
- C 12.5%
- D 10.5%

Answer: C

Explanation:

From the histogram,

Number of persons visiting the library in the age group 25-30 years = 200

Total number of persons visiting the library in the week = $300 + 400 + 200 + 350 + 100 + 50 + 200 = 1600$

Percentage of persons visiting the library in the age group 25-30 years = $\frac{200}{1600} \times 100 = 12.5\%$

Hence, the correct answer is Option C

SSC CHSL Free App

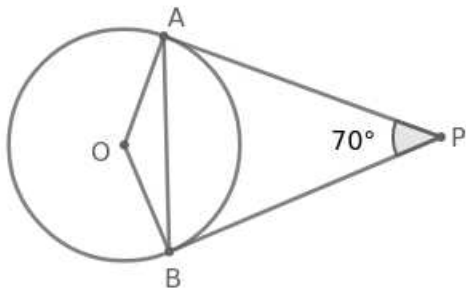
Question 61

If PA and PB are tangents drawn from an external point P to a circle with centre O such that $\angle APB = 70^\circ$, then $\angle OAB$ is equal to:

- A 35°
- B 40°
- C 30°
- D 25°

Answer: A

Explanation:



Given, $\angle APB = 70^\circ$

PA and PB are the tangents to the circle with centre O

$$\Rightarrow \angle OAP = 90^\circ \text{ and } \angle OBP = 90^\circ$$

In quadrilateral OAPB,

$$\angle AOB + \angle OBP + \angle APB + \angle OAP = 360^\circ$$

$$\Rightarrow \angle AOB + 90^\circ + 70^\circ + 90^\circ = 360^\circ$$

$$\Rightarrow \angle AOB + 250^\circ = 360^\circ$$

$$\Rightarrow \angle AOB = 110^\circ$$

In $\triangle OAB$, $OA = OB$

Angles opposite to equal sides are equal in triangle

$$\Rightarrow \angle OBA = \angle OAB$$

In $\triangle OAB$,

$$\angle AOB + \angle OBA + \angle OAB = 180^\circ$$

$$\Rightarrow 110^\circ + \angle OAB + \angle OAB = 180^\circ$$

$$\Rightarrow 2\angle OAB = 70^\circ$$

$$\Rightarrow \angle OAB = 35^\circ$$

Hence, the correct answer is Option A

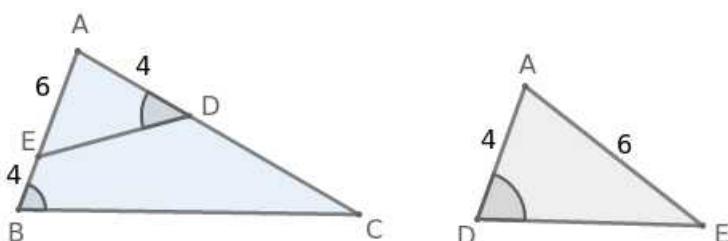
Question 62

In $\triangle ABC$, E and D are points on sides AB and AC, respectively, such that $\angle ABC = \angle ADE$. If AE = 6 cm, AD = 4 cm and EB = 4 cm, then the length of DC is:

- A 8 cm
- B 9.5 cm
- C 10 cm
- D 11 cm

Answer: D

Explanation:



In $\triangle ABC$ and $\triangle ADE$,

$$\angle ABC = \angle ADE$$

$$\angle BAC = \angle DAE$$

So $\triangle ABC$ is similar to $\triangle ADE$

$$\Rightarrow \frac{AB}{AC} = \frac{AD}{AE}$$

$$\Rightarrow \frac{AE+EB}{AD+DC} = \frac{AD}{AE}$$

$$\Rightarrow \frac{6+4}{4+DC} = \frac{4}{6}$$

$$\Rightarrow \frac{10}{4+DC} = \frac{2}{3}$$

$$\Rightarrow 4 + DC = 15$$

$$\Rightarrow DC = 11 \text{ cm}$$

Hence, the correct answer is Option D

Question 63

The value of $\frac{4}{5} \div 3\frac{1}{4}$ of $\frac{8}{13} - \frac{1}{5} + \frac{8}{5}$ $\times 5\frac{1}{5} + \frac{5}{6}$ is

A $\frac{7}{30}$

B $\frac{2}{15}$

C $\frac{1}{30}$

D $\frac{1}{15}$

Answer: C

Explanation:

$$\frac{4}{5} \div 3\frac{1}{4} \text{ of } \frac{8}{13} - \frac{1}{5} + \frac{8}{5} \times 5\frac{1}{5} + \frac{5}{6} = \frac{4}{5} \div \frac{13}{4} \text{ of } \frac{8}{13} - \frac{1}{5} + \frac{8}{5} \times \frac{30}{5} + \frac{5}{6}$$

$$= \frac{4}{5} \div 2 - \frac{3}{13} \times \frac{26}{5} + \frac{5}{6}$$

$$= \frac{2}{5} - \frac{3}{13} \times \frac{26}{5} + \frac{5}{6}$$

$$= \frac{2}{5} - \frac{6}{5} + \frac{5}{6}$$

$$= \frac{12-36+25}{30}$$

$$= \frac{1}{30}$$

Hence, the correct answer is Option C

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Question 64

If the 8-digit number 43A5325B is divisible by 8 and 9, then the sum of A and B is equal to:

A 15

B 14

C 12

D 18

Answer: B

Explanation:

Given, 8-digit number 43A5325B is divisible by 8 and 9

If the number is divisible by 8, then the last three digits should be divisible by 8

$$\Rightarrow 25B \text{ is divisible by } 8$$

$$\Rightarrow B = 6$$

If the number is divisible by 9, then the sum of the digits of the number should be divisible by 9

$$\Rightarrow 4 + 3 + A + 5 + 3 + 2 + 5 + B = \text{multiple of } 9$$

$$\Rightarrow 22 + A + B = \text{multiple of } 9$$

$$\Rightarrow 22 + A + 6 = \text{multiple of } 9$$

$$\Rightarrow 28 + A = \text{multiple of } 9$$

The only possible value of A is 8

$$\therefore \text{Sum of A and B} = 8 + 6 = 14$$

Hence, the correct answer is Option B

Question 65

There is a 60% increase in an amount in 5 years at simple interest. What will be the compound interest on ₹ 6,250 for two years at the same rate of interest, when the interest is compounded yearly?

A ₹ 1,480

B ₹ 1,560

C ₹ 1,500

D ₹ 1,590

Answer: D

Explanation:

Let the rate of interest = R%

Principal amount = P

Time = 5 years

$$\Rightarrow \text{Amount} = \frac{160}{100}P$$

$$\Rightarrow P + \frac{P \times 5 \times R}{100} = \frac{160}{100}P$$

$$\Rightarrow \frac{P \times 5 \times R}{100} = \frac{160}{100}P - P$$

$$\Rightarrow \frac{P \times 5 \times R}{100} = \frac{60}{100}P$$

$$\Rightarrow R = 12\%$$

$$\text{Compound interest on ₹ 6,250 for two years at } 12\% = 6250 \left(1 + \frac{12}{100}\right)^2 - 6250$$

$$= 6250 \left(\frac{112}{100}\right)^2 - 6250$$

$$= 6250 (1.12)^2 - 6250$$

$$= 6250 (1.2544) - 6250$$

$$= 6250 (0.2544)$$

$$= ₹ 1590$$

Hence, the correct answer is Option D

Question 66

If $\cot \theta = \frac{3}{\sqrt{5}}$, $0^\circ < \theta < 90^\circ$, then the value of $\frac{6 \sec^2 \theta - 5 \operatorname{cosec}^2 \theta}{5 \sec^2 \theta + 3 \operatorname{cosec}^2 \theta}$, is equal to

- A $\frac{1}{3}$
- B 1
- C $\frac{1}{2}$
- D $\frac{2}{3}$

Answer: B

Explanation:

Given, $\cot \theta = \frac{3}{\sqrt{5}}$

$\Rightarrow \tan \theta = \frac{\sqrt{5}}{3}$

$\Rightarrow \sec^2 \theta = 1 + \tan^2 \theta = 1 + \left(\frac{\sqrt{5}}{3}\right)^2 = 1 + \frac{5}{9} = \frac{14}{9}$

$\Rightarrow \operatorname{cosec}^2 \theta = 1 + \cot^2 \theta = 1 + \left(\frac{3}{\sqrt{5}}\right)^2 = 1 + \frac{9}{5} = \frac{14}{5}$

$\therefore \frac{6 \sec^2 \theta - 5 \operatorname{cosec}^2 \theta}{5 \sec^2 \theta + 3 \operatorname{cosec}^2 \theta} = \frac{6\left(\frac{14}{9}\right) - 5\left(\frac{14}{5}\right)}{5\left(\frac{14}{9}\right) + 3\left(\frac{14}{5}\right)}$

$= \frac{\frac{28}{3} - \frac{14}{1}}{\frac{14}{5} + \frac{42}{5}}$

$= \frac{\frac{14}{3} - \frac{14}{1}}{\frac{56}{5}}$

$= \frac{14}{3} \times \frac{5}{70}$

$= 1$

Hence, the correct answer is Option B

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Question 67

Amit sold an article for ₹ 7,000 and incurred a loss. Had he sold it for ₹ 8,750, his gain would have been three-fourth of the amount of loss that he incurred. At what price should he sell the article to get 10% profit?

- A ₹ 8,800
- B ₹ 8,400
- C ₹ 8,000
- D ₹ 7,800

Answer: A

Explanation:

Let the cost price = C

Loss for selling price ₹ 7,000 = C - 7000

Profit for selling price ₹ 8,750 = 8750 - C

According to the problem,

$$8750 - C = \frac{3}{4}(C - 7000)$$

$$\Rightarrow 8750 - C = \frac{3}{4}C - 5250$$

$$\Rightarrow \frac{7}{4}C = 14000$$

$$\Rightarrow C = 8000$$

$$\therefore \text{Selling price} = \frac{110}{100} \times 8000 = ₹ 8,800$$

Hence, the correct answer is Option A

Question 68

A trader marks his goods in such a way that even after allowing 15% discount on marked price he still gains 27.5%. If the cost price of the goods is ₹ 200, then its marked price is:

A ₹ 300

B ₹ 250

C ₹ 350

D ₹ 400

Answer: A

Explanation:

Given, cost price of the goods = ₹ 200

Gain% = 27.5%

$$\Rightarrow \text{Selling price of the goods} = \frac{127.5}{100} \times 200 = 255$$

Let the marked price of the goods = M

Discount = 15%

$$\Rightarrow \text{Selling price of the goods} = \frac{85}{100}M$$

$$\Rightarrow \frac{85}{100}M = 255$$

$$\Rightarrow M = 300$$

\therefore Marked price of the goods = ₹ 300

Hence, the correct answer is Option A

Question 69

In $\triangle ABC$, D is a point on BC. If $\frac{AB}{AC} = \frac{BD}{DC}$, $\angle B = 75^\circ$ and $\angle C = 45^\circ$ then $\angle BAD$ is equal to:

A 50°

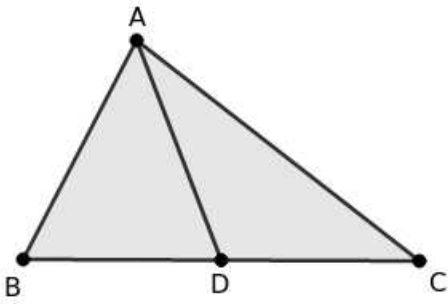
B 45°

C 30°

D 60°

Answer: C

Explanation:



Given, $\angle B = 75^\circ$ and $\angle C = 45^\circ$

In $\triangle ABC$,

$$\angle A + \angle B + \angle C = 180^\circ$$

$$\Rightarrow \angle A + 75^\circ + 45^\circ = 180^\circ$$

$$\Rightarrow \angle A + 120^\circ = 180^\circ$$

$$\Rightarrow \angle A = 60^\circ$$

Given, $\frac{AB}{AC} = \frac{BD}{DC}$

AD divides the side BC in the ratio of other two sides so AD is the angular bisector $\angle A$.

$$\Rightarrow \angle BAD = \frac{1}{2} \angle A$$

$$\Rightarrow \angle BAD = \frac{60^\circ}{2}$$

$$\Rightarrow \angle BAD = 30^\circ$$

Hence, the correct answer is Option C

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Question 70

Ravinder invests ₹ 3,750 which is equal to 15% of his monthly salary in a medical insurance policy. Later he invests 25% and 8% of his monthly salary on a child education policy, and mutual funds, respectively. The total amount left with him is:

- A ₹ 15,000
- B ₹ 8,000
- C ₹ 12,000
- D ₹ 13,000

Answer: D

Explanation:

Let the monthly salary of Ravinder = M

Amount invested in medical insurance policy = ₹ 3,750

Percentage of amount invested in medical insurance policy = 15%

$$\Rightarrow \frac{15}{100} M = 3750$$

$$\Rightarrow M = 25000$$

Monthly salary of Ravinder = ₹ 25,000

Percentage of salary left with him after investing in medical insurance policy, child education policy and mutual funds = $100 - 15 - 25 - 8 = 52\%$

$$\therefore \text{Total amount left with him} = \frac{52}{100} \times 25000 = ₹ 13,000$$

Hence, the correct answer is Option D

Question 71

If θ is a positive acute angle and $\tan 2\theta \tan 3\theta = 1$, then the value of θ is:

- A 18°
- B 45°
- C 60°
- D 36°

Answer: A

Explanation:

Given, $\tan 2\theta \tan 3\theta = 1$

$$\Rightarrow \frac{\sin 2\theta}{\cos 2\theta} \frac{\sin 3\theta}{\cos 3\theta} = 1$$

$$\Rightarrow \sin 2\theta \sin 3\theta = \cos 2\theta \cos 3\theta$$

$$\Rightarrow \cos 2\theta \cos 3\theta - \sin 2\theta \sin 3\theta = 0$$

$$\Rightarrow \cos(2\theta + 3\theta) = 0$$

$$\Rightarrow \cos 5\theta = 0$$

$$\Rightarrow \cos 5\theta = \cos 90^\circ$$

$$\Rightarrow 5\theta = 90^\circ$$

$$\Rightarrow \theta = 18^\circ$$

Hence, the correct answer is Option A

Question 72

The average of four consecutive odd natural numbers is eight less than the average of three consecutive even natural numbers. If the sum of these three even numbers is equal to the sum of above four odd numbers, then the average of four original odd numbers is:

- A 32
- B 24
- C 18
- D 36

Answer: B

Explanation:

Let the four consecutive odd natural numbers are $a, a+2, a+4, a+6$

Let the three consecutive even natural numbers are $b, b+2, b+6$

$$\text{Average of four consecutive odd natural numbers} = \frac{a+a+2+a+4+a+6}{4} = \frac{4a+12}{4} = a+3$$

$$\text{Average of three consecutive even natural numbers} = \frac{b+b+2+b+4}{3} = \frac{3b+6}{3} = b+2$$

The average of four consecutive odd natural numbers is eight less than the average of three consecutive even natural numbers.

$$\Rightarrow a+3 = b+2 - 8$$

$$\Rightarrow b - a = 9 \dots\dots(1)$$

The sum of the three even numbers is equal to the sum of four odd numbers.

$$\Rightarrow b + b + 2 + b + 4 = a + a + 2 + a + 4 + a + 6$$

$$\Rightarrow 3b = 4a + 6$$

$$\Rightarrow 3b - 4a = 6 \dots\dots(2)$$

Solving 3(1)-(2) we get, $a = 21$

\therefore Average of four consecutive odd natural numbers = $a + 3 = 21 + 3 = 24$

Hence, the correct answer is Option B

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Question 73

If $\sin(A + B) = \cos(A - B) = \frac{\sqrt{3}}{2}$ and A and B are acute angles. The measures of angles A and B (in degrees) will be:

A $A = 15$ and $B = 45$

B $A = 45$ and $B = 15$

C $A = 45$ and $B = 45$

D $A = 60$ and $B = 30$

Answer: B

Explanation:

Given, $\sin(A + B) = \frac{\sqrt{3}}{2}$

$$\Rightarrow \sin(A + B) = \sin 60$$

$$\Rightarrow A + B = 60 \dots\dots(1)$$

$$\cos(A - B) = \frac{\sqrt{3}}{2}$$

$$\Rightarrow \cos(A - B) = \cos 30$$

$$\Rightarrow A - B = 30 \dots\dots(2)$$

Adding equation(1) and equation(2),

$$2A = 90 \Rightarrow A = 45$$

Substituting $A = 45$ in equation (1)

$$45 + B = 60 \Rightarrow B = 15$$

$$\therefore A = 45 \text{ and } B = 15$$

Hence, the correct answer is Option B

Question 74

When 50% of a number A is added to B, the second number B increases by 25%. The ratio between the numbers A and B is:

A 1 : 2

B 2 : 3

C 3 : 4

D 3 : 2

Answer: A

Explanation:

According to the problem,

$$\frac{50}{100} \times A + B = B + \frac{25}{100} \times B$$

$$\Rightarrow \frac{50}{100} A + B = \frac{125}{100} B$$

$$\Rightarrow \frac{50}{100} A = \frac{125}{100} B - B$$

$$\Rightarrow \frac{50}{100} A = \frac{25}{100} B$$

$$\Rightarrow \frac{A}{B} = \frac{1}{2}$$

$$\Rightarrow A : B = 1 : 2$$

Hence, the correct answer is Option A

Question 75

A and B working together can do 30% of the work in 6 days. B alone can do the same work in 25 days. How long will A alone take to complete the same work?

A 100 days

B 60 days

C 75 days

D 80 days

Answer: A

Explanation:

Given, A and B working together can do 30% of the work in 6 days

\Rightarrow A and B working together can do 10% of the work in 2 days

\Rightarrow A and B working together can do 100% of the work in 20 days

Let the total work = W

Work done by A and B together in 1 day = $\frac{W}{20}$

B alone can do the same work in 25 days

Work done by B alone in 1 day = $\frac{W}{25}$

\Rightarrow Work done by A alone in 1 day = $\frac{W}{20} - \frac{W}{25} = \frac{5W - 4W}{100} = \frac{W}{100}$

\therefore Number of days required for A alone to complete the work = 100 days

Hence, the correct answer is Option A

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General Awareness

Instructions

For the following questions answer them individually

Question 76

Which country honoured Indian Prime Minister Narendra Modi with its highest civilian honour 'Zayed Medal' in 2019?

A Portugal

B Bhutan

C UAE

D Israel

Answer: C

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Question 77

'Wings India', Asia's largest civil aviation event, will be held at Begumpet airport, Hyderabad in March 2020. What will be the theme of this event?

- A Born to Fly
- B Women to Fly
- C Flying Everyone
- D Flying for All

Answer: D

Question 78

Which of the following dance forms is also known as the 'Royal Dance of Ladakh'?

- A Shondol dance
- B Yak dance
- C Koshan dance
- D Jabro dance

Answer: A

Question 79

'A Shot At History: My Obsessive Journey to Olympic Gold' is the autobiography of which Indian shooter?

- A Abhinav Bindra
- B Jitu Rai
- C Rajyavardhan Singh Rathore
- D Gagan Narang

Answer: A

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Question 80

In the context of the contribution of scientists for which they were awarded Nobel Prize, which of the following pairs is INCORRECT?

- A Zeeman Effect - Hendrik Lorentz
- B Quantum mechanics - Galileo Galilei
- C Light scattering - CV Raman
- D Diffraction of X-rays - Max Von Laue

Answer: B

Question 81

In November 2019, which Indian athlete was listed in 'Time 100 Next' that spotlights 100 rising stars who are shaping the future of business, entertainment, sports, politics, etc.?

- A Hima Das
- B Anju Bobby George
- C Dutee Chand
- D PV Sindhu

Answer: C

Question 82

In the context of computers, WORM is an acronym of:

- A Write Once, Read Many
- B Wireless Operating, Read Module
- C Word On, RAM Memory
- D Word Optical, Recognition Malware

Answer: A

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Question 83

Which former cricketer and captain of the Indian team was formally elected as the President of BCCI in October 2019?

- A Kapil Dev
- B Sourav Ganguly
- C Ravi Shastri
- D Sunil Gavaskar

Answer: B

Question 84

Which of the following rivers is the fifth largest river and the largest west flowing river?

- A Arvari river
- B Subarnarekha river
- C Godavari river
- D Narmada river

Answer: D

Question 85

Which of the following passes is located between Nilgiri Hills to the north and Anaimalai Hills to the south?

- A Karakoram Pass
- B Aghil Pass
- C Rohtang Pass
- D Palghat Pass

Answer: D

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Question 86

Where did the Chief Minister of Odisha, Naveen Patnaik, inaugurate the National Tribal Craft Mela-2019?

- A Cuttack
- B Puri
- C Bhubaneswar
- D Konark

Answer: C

Question 87

Which of the following movements was started in the year 1930 by Mahatma Gandhi?

- A Civil Disobedience Movement
- B Quit India Movement
- C Non-Cooperation Movement
- D Khilafat Movement

Answer: A

Question 88

The famous cultural site Rani-ki-Vav (the Queen's Stepwell) is situated on the banks of which river?

- A Yamuna River
- B Saraswati River
- C Hooghly River
- D Mahanadi

Answer: B

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Question 89

Who created history by securing Gold in the women's Singles SL3 event at the 'BWF Para-Badminton World Championships' in 2019?

- A Parul Dalsukhbhai Parmar
- B Manasi Joshi
- C Sarina Satomi
- D Sujirat Pookkham

Answer: B

Question 90

The definition of 'money bills' is given in which article of the Constitution of India?

- A Article 110
- B Article 93
- C Article 44
- D Article 33

Answer: A

Question 91

Which of the following mountains is situated near the Siachen region of Ladakh in India?

- A Kangchenjunga Mountain
- B Kirat Chuli Mountain
- C K12 Mountain
- D Kabru Mountain

Answer: C

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Question 92

Which of the following books was translated as 'The Razmnama' (Book of Wars) during the reign of Akbar?

- A Mahabharata
- B Ramayana
- C Babur Nama
- D Akbar Nama

Answer: A

Question 93

Which of the following is the chemical formula for Nitre (saltpeter)?

- A KNO_3
- B KCl
- C KAl_2O_3
- D $KCl.MgCl_2$

Answer: A

Question 94

Which scientist won the Nobel prize in Physics in 1918 for the discovery of 'Energy Quanta'?

- A Louis de Broglie
- B James Chadwick
- C Werner Heisenberg
- D Max Karl Ernst Ludwig Planck

Answer: D

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Question 95

According to the Carbon Disclosure Project (CDP) annual report that was released in January 2020, what was India's rank in corporate commitments to science-based targets?

- A Sixth
- B Tenth
- C Eight
- D Fifth

Answer: D

Question 96

As per a World Gold Council (WGC) report that was released in January 2020, the Reserve Bank of India (RBI) was ranked _____ in terms of buying gold abroad among central banks of the world.

- A Tenth
- B Sixth
- C Seventh
- D Fifth

Answer: B

Question 97

Who is India's youngest IAS officer to be appointed to the Chief Minister's Office of Telangana? She/he is also known as 'The People's Officer'.

- A Amrutesh Aurangabadkar
- B Smita Sabharwal
- C Swati Meena Naik
- D Ansar Ahmad Shaikh

Answer: B

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Question 98

The 5th edition of 'Indian International Science Festival (IISF) 2019' was held in which city?

- A Hyderabad
- B Delhi
- C Chandigarh
- D Kolkata

Answer: D

Question 99

Which wildlife sanctuary is a tri-state protected area in northern India? It is also famous for the Critically Endangered gharial, the red-crowned roofed turtle and the Endangered Ganges river dolphin?

- A Dandeli Wildlife Sanctuary
- B Bhadra Wildlife Sanctuary
- C Chinnar Wildlife Sanctuary
- D National Chambal Sanctuary

Answer: D

Question 100

As of January 2020, what was the upper limit of fund transfer using Unified Payments Interface (UPI)?

- A ₹ 50,000
- B ₹ 90,000
- C ₹ 2 lakh
- D ₹ 1 lakh

Answer: D

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