



SSC CGL 12 June 2019 Shift-3

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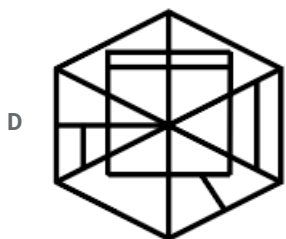
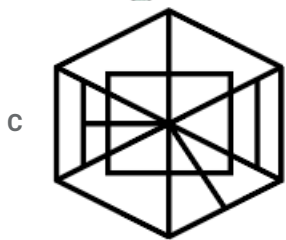
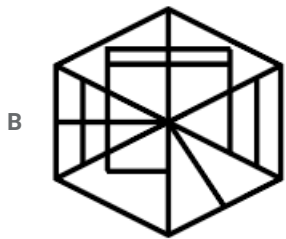
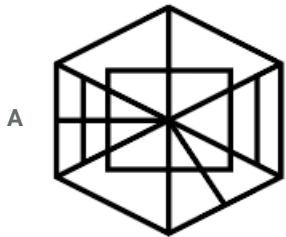
Reasoning

Instructions

For the following questions answer them individually

Question 1

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



Answer: A

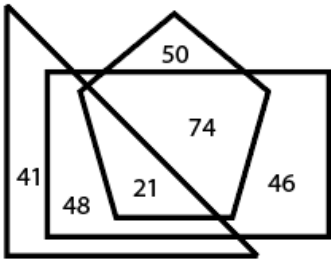
Explanation:

Figure is embedded in option A.



Question 2

In the given Venn diagram, the rectangle represents 'women', the pentagon represents 'entrepreneurs' and the triangle represents 'mothers'. The numbers given in the diagram represent the number of persons in that particular category.



How many women are entrepreneurs but NOT mothers?

- A 21
- B 74
- C 50
- D 46

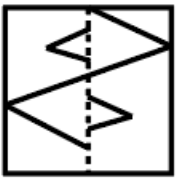
Answer: B

Explanation:

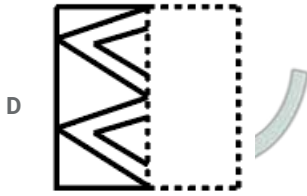
74 women are entrepreneurs but NOT mothers.

Question 3

Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.



- A
- B
- C



Answer: D

Explanation:

If we do by using practical paper and follow from the last figure then we observe that figure of option D will appear when folded at dotted line.

Question 4

Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All owls are parrots.

Some parrots are crows.

Conclusions:

I. No owl is a crow.

II. All parrots are owls.

III. Some owls are crows.

A All the conclusions, I, II and III, follow

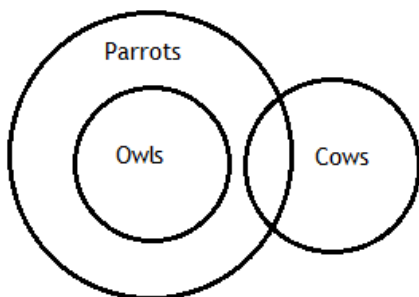
B Only conclusions II and III follow.

C Either conclusion I or III follows

D Either conclusion I or II follows

Answer: C

Explanation:



Conclusion I and Conclusion III is either or case because some or no case is there.

Conclusion II does not follow

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Question 5

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

3 : 30 :: 4 : ?

A 64

B 70

C 68

D 66

Answer: C

Explanation:

$$3 : 30 = 3^3 + 3 = 27 + 3 = 30$$

$$4 : 68 = 4^3 + 4 = 64 + 4 = 68$$

Question 6

Which two signs should be interchanged to make the following equation correct?

$$18 + 24 - 6 \times 6 \div 3 = 39$$

A \div and +

B + and -

C \times and +

D \div and -

Answer: D

Explanation:

$$18 + 24 - 6 \times 6 \div 3 = 39$$

After interchanging \div and -

$$18 + 24 \div 6 \times 6 - 3 = 39$$

$$42 - 3 = 39$$

$$39 = 39$$

Question 7

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

A Frustration

B Anaemia

C Diabetes

D Hypertension

Answer: A

Explanation:

Except frustration all the given options are name of disease.

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Question 8

'Similarity' is related to 'Difference' in the same way as 'Transparent' is related to '.....'

A Water

B Clear

C Turbid

D Lake

Answer: C

Explanation:

Opposite of similar is difference in the same way opposite of transparent is opaque and turbid means opaque.

Question 9

Which letter-cluster will replace the question mark (?) in the following series?

SWA, OAW, KES, ?, CMK

A GH0

B FIP

C GIO

D FIO

Answer: C

Explanation:

S + W + A,	O + A + W,	K + E + S,	G + I + O,	C + M + K
19+23+1	15+1+23	11+5+19	7+9+15	3+13+11
43	39	35	31	27

So we check the option that whose sum of alphabeicals numbers is equals to 31.

Question 10

Arrange the following words in a logical and meaningful order.

1. Ploughing up the field
2. Bread making
3. Production of wheat
4. Wheat grinding
5. Sowing the seeds
6. Dough making

A 2, 5, 2, 4, 1, 6

B 4, 5, 2, 6, 1, 3

C 1, 5, 3, 6, 4, 2

D 1, 5, 3, 4, 6, 2

Answer: D

Explanation:

Given words is the process of making bread.

Logical and meaningful order = At first we plough the field then we sow the seeds after that wheat produces then we grind the wheat for flour then we make dough of flour then we make the bread. Answer:1, 5, 3, 4, 6, 2

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Question 11

Which letter will replace the question mark (?) in the following series?

D, J, ?, S, V, X

- A P
- B Q
- C M
- D O

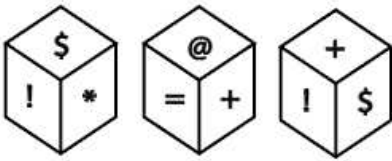
Answer: D

Explanation:

D,	J,	O,	S,	V,	X
+6	+5	+4	+3	+2	

Question 12

Three different positions of the same dice are shown. Which symbol will be on the face opposite to the one having '+' ?



- A @
- B !
- C \$
- D +

Answer: D

Explanation:

Take two dice which contain common numbers . ex.we take last two dice + is same in both dice .

now start with common number and write in clockwise direction

+ = @

+ \$! ..now we see

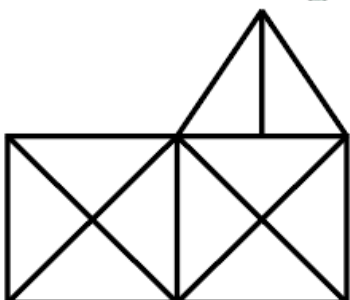
= is opposite of \$

@ is opposite to ! and

remaining + is opposite to *.

Question 13

How many triangles are there in the following figure.



- A 19

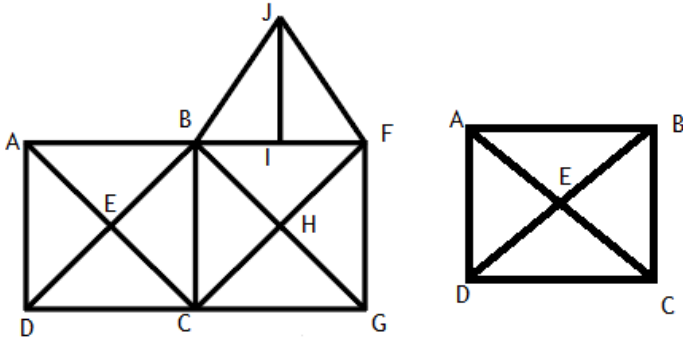
B 21

C 23

D 20

Answer: B

Explanation:



If figure is in shape of square and two diagonals are there then total number of triangles is always 8

So, ABCD and CCFG have 8 and 8 triangles means total 16 triangles.

Now, Remaining triangles = BIJ, IJF, BCF, DBG, ACF

Total number of triangles = $8 + 8 + 5 = 21$.

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Question 14

Which number will replace the question mark (?) in the following series?

102, 110, 126, 150, 182, ?

A 220

B 246

C 222

D 214

Answer: C

Explanation:

102,	110,	126,	150,	182,	222
+8	+16	+24	+32	+40	

Question 15

Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

A ZXUQL

B NLHDC

C PNKGB

D SQNIE

Answer: B

Explanation:

Alphabetical difference between 1st letter and last letter of each option except option B are 14 and option B is 11.

So, option B is odd.

Question 16

'A + B' means 'A is the wife of B'.

'A - B' means 'A is the husband of B'.

'A × B' means 'A is the son of B'.

'A ÷ B' means 'A is the mother of B'.

If $T + Q \times P - U \div R \div S + V$, then how is R related to Q?

- A Mother
- B Daughter
- C Maternal grandmother
- D Sister

Answer: D

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Question 17

Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest.

- A 3 : 27
- B 4 : 65
- C 2 : 9
- D 1 : 2

Answer: A

Explanation:

3:27 is odd because cube of 3 is 27.

Question 18

Select the missing number from the given options.

4	3	1
5	4	2
89	43	?

- A 36
- B 5
- C 8
- D 27

Answer: B

Explanation:

4, 5, 89 pattern is $(4 \times 5) \times 4 + (4 + 5) = 89$

3, 4, 43 pattern is $(3 \times 4) \times 3 + (3 + 4) = 43$

1, 2, 5 pattern is $(1 \times 2) \times 1 + (1 + 2) = 5$

Question 19

In a code language, DISTRIBUTION is written as SIDIRTTUBNOI. How will ABBREVIATING be written as in that language?

- A BBAVERTAIGNI
- B VERBBAGNITAI
- C BABRVEAITTGN
- D BBAVERIATGNI

Answer: A

Explanation:

DIS	TRI	BUT	ION
SID	IRT	TUB	NOI

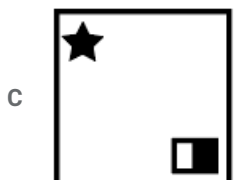
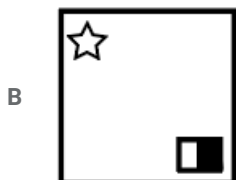
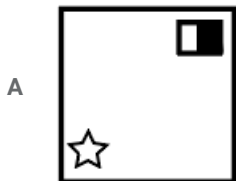
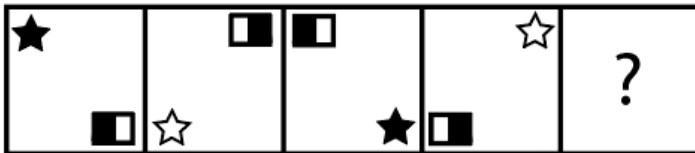
ABB	REV	IAT	ING
BBA	VER	TAI	GNI

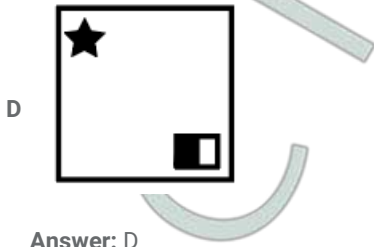
Pattern is DIS written in reverse order SID

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Question 20

Select the figure that will come next in the following figure series.





Answer: D

Explanation:

1. If we see the star is dark in 1st figure and in the second figure it becomes plane and move to bottom left corner and in third figure move to right corner and becomes dark in the same pattern if we go then dark star will come on the same place as in the figure 1 in our required figure.
2. If we see the rectangle in 1st figure half left is black color and other half is plane and in the second figure it moves to top right corner black color part becomes plane and plane becomes black and if we follow the same pattern then in rectangle becomes same as in figure 1 and place will be also same in fig 1 in our required figure.

So, our answer is option D.

Question 21

The sum of the current ages of Vinayak and his father is 50 years. 5 years from now, Vinayak's age will be one-fifth of his father's age. What is Vinayak's current age?

- A 5 years
- B 8 years
- C 15 years
- D 10 years

Answer: A

Explanation:

Let the Vinayak's age be x and his father's age be y

$$x + y = 50$$

$$x = 50 - y$$

According to the question,

$$\frac{1}{5}(y + 5) = x + 5$$

$$\frac{y}{5} + 1 = x + 5$$

$$\frac{y}{5} - x = 4$$

$$\frac{y}{5} - (50 - y) = 4$$

$$\frac{y}{5} + y = 54$$

$$y = 45$$

Vinayak's age = 5 years.

Question 22

Select the missing number from the given options.

35	32	51
28	18	37
?	14	47

- A 43
- B 41
- C 40
- D 42

Answer: C

Explanation:

Half of the middle number is taken and subtracted from the third number to obtain the result.

$$51 - 16 = 35$$

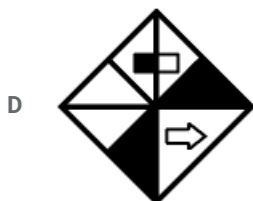
$$37 - 9 = 28$$

$$47 - 7 = 40$$

General Science Notes for SSC CGL

Question 23

Select the correct mirror image of the given figure when a vertical mirror is placed on the right of the figure.



Answer: B

Explanation:

If mirror is placed horizontally on right side of image then,

Top and bottom part will remain same

While, the left and Right Side of the image will interchange.

Question 24

Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Accident : Injury

- A Farmer : Hard-work
- B Infection : Disease
- C Income : Corruption
- D Police : Fine

Answer: B

Explanation:

Accident caused injury in the same way infection caused disease.

Question 25

In a code language, CLIMAX is written as 312913124. How will RESIGN be written as in that language?

- A 185199714
- B 185199713
- C 195209714
- D 185198614

Answer: A

Explanation:

CLIMAX = 312913124 pattern is alphabetical ranks of each letter are the code of that letter. Ex, C=3, L=12, I=9 and so on

So, in the same way code for RESIGN is 185199714

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General knowledge

Instructions

For the following questions answer them individually

Question 26

British East India Company defeated the Portuguese in the _____.

- A Battle of Buxar
- B Battle of Plassey
- C Battle of Suvali
- D Battle of Chamkaur

Answer: C

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Question 27

In China, 2019 (which starts on 5 February and ends on 24 January) is the year of the _____.

- A Rat
- B Dog
- C Pig
- D Ox

Answer: C

Question 28

Which team won the Indian Premier League 2018?

- A Royal Challengers Bangalore
- B Delhi Daredevils
- C Rajasthan Royals
- D Chennai Super Kings

Answer: D

Question 29

In March 2019, the Directorate General of Civil Aviation (DGCA) of India grounded which aircraft due to technical fault?

- A Boeing 787 Max 14
- B Boeing 737 Max 8
- C Boeing 777 Max 12
- D Boeing 747 Max 9

Answer: B

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Question 30

_____ gases trap heat in the atmosphere which makes the Earth warmer, causing global warming.

- A Greenhouse
- B Nobel
- C Elemental
- D Compound

Answer: A

Question 31

Both, haemoglobin and myoglobin require _____ for formation.

- A Iron
- B Vitamin B12
- C Calcium
- D Vitamin A

Answer: A

Question 32

Who among the following was the first Chinese to receive the Nobel Prize for literature ?

- A Mo Yan
- B Liu Cixin
- C Gao Xingjian
- D Lu Xun

Answer: A

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Question 33

Which of the following is the longest river in Pakistan that originates from Lake Manasarovar?

- A Chenab
- B Indus
- C Sutlej
- D Kabul

Answer: B

Question 34

Which country won the South Asian Football Federation (SAFF) Women's Championship in 2019?

- A Bhutan
- B India
- C Pakistan
- D Nepal

Answer: B

Question 35

Opium wars were fought between the British and _____.

- A Myanmar (Burma)
- B China

C Afghanistan

D Bhutan

Answer: B

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Question 36

Which Indian author wrote the book 'Two Lives'?

A Amish Tripathi

B Chetan Bhagat

C Vikram Seth

D Amitava Ghosh

Answer: C

Question 37

A ____ is not constrained by prior work.

A strategic alliance

B franchise

C joint venture

D greenfield project

Answer: D

Question 38

Which human body part can be called the 'chemical factory' of our body?

A Liver

B Stomach

C Kidneys

D Lungs

Answer: A

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Question 39

Identify the national sport of Sri Lanka.

A Cricket

B Volleyball

C Basketball

D Swimming

Answer: B

Question 40

Rule ____ (of the Rules of Procedure and Conduct of Business in Lok Sabha) does NOT involve a formal motion before the Parliament House, hence no voting can take place after discussion on matters under this rule.

A 149

B 186

C 193

D 158

Answer: C

Question 41

Nitrous Oxide' is the chemical name of ____.

A Tear Gas

B Fire Extinguisher

C Laughing Gas

D Mosquito Repellent

Answer: C

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Question 42

Which country hosted the 2019 Sultan Azlan Shah Cup hockey tournament?

A Malaysia

B Singapore

C India

D China

Answer: A

Question 43

A scientific study of rocks that deals with their composition, texture and structure; their occurrence and distribution; and their origin in relation to physicochemical conditions is called ____.

A Petrology

B Geomorphology

C Geology

D Lithology

Answer: A

Question 44

A market place in which a final good or service is bought and sold is called _____.

A Commodity Market

B Factor Market

C Product Market

D Equity Market

Answer: C

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Question 45

Which one of the following is the deepest gorge in the world?

A Kali Gandaki Gorge

B Garganta del Cares

C Vikos Gorge

D Tiger Leaping Gorge

Answer: A

Question 46

Bihar Diwas is annually celebrated on _____ to commemorate the day Bihar was carved out from the Bengal Presidency.

A 13th March

B 27th March

C 22nd March

D 17th March

Answer: C

Question 47

Sir Thomas Roe visited the court of Mughal ruler _____ as the ambassador of the King of England.

A Shah Jahan

B Humayun

C Akbar

D Jahangir

Answer: D

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Question 48

Tipu Sultan and British East India Company signed the Treaty of Mangalore in the year _____.

- A 1792
- B 1764
- C 1799
- D 1784

Answer: D

Question 49

How many provinces are there in Sri Lanka?

- A 6
- B 11
- C 9
- D 8

Answer: C

Question 50

In India, which of the following articles of the Constitution of India provides for the formation of a new state?

- A Article 2
- B Article 3
- C Article 9
- D Article 1

Answer: B

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Quant

Instructions

For the following questions answer them individually

Question 51

What is the value of x so that the seven digit number $5656x52$ is divisible by 72?

- A 8
- B 4
- C 5

D 7

Answer: D

Explanation:

To be divisible by 72 it should be divisible by 8 and 9

8 division rule is last 3 digits should be divisible by 8.

9 division rule is sum all the digits should be divisible by 9.

Only option satisfying is 7

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Question 52

This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

Years	Colleges				
	A	B	C	D	E
2015	68	65	80	92	72
2016	72	68	88	95	75
2017	74	77	92	98	73

What is the ratio of the number of students passing to those failing from college E in the year 2015?

A 17 : 7

B 9 : 5

C 18 : 7

D 4 : 3

Answer: C

Question 53

Two articles are sold for ₹975 each. On one, the seller gains 30% and on the other, he loses 25%. What is the overall gain or loss percentage, correct to one decimal place?

A 4.9% loss

B 5.3% gain

C 4.9% gain

D 5.1% loss

Answer: A

Explanation:

Selling Price of both the articles is 975.

CP of article where gain is 30% is $975/1.3 = 750$

CP of article where loss is 25% is $975/0.75 = 1300$

Total CP = $750+1300= 2050$

Total SP = $975+975 = 1950$

Loss% = $(2050-1950)/2050 = 100/2050 = 4.9\%$

Question 54

An article is sold for ₹612 after successive discounts of 25% and x%. If the marked price of the article is ₹960, what is the value of x?

- A 10
- B 15
- C 12
- D 14

Answer: B

Explanation:

Initial price is 960 Rs

25 % discount on 960 is $960 \times 25\% = 240$ Rs

After first discount price of the article is $960 - 240 = 720$ Rs

On 720 Rs, after X% discount article of the price is 612 Rs, so discount is $720 - 612 = 108$ Rs

$X\% = 15\%$

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Question 55

In a circle with centre O, an arc ABC subtends an angle of 140° at the centre of the circle. The chord AB is produced to point P. Then $\angle CBP$ is equal to:

- A 70°
- B 40°
- C 50°
- D 80°

Answer: A

Question 56

If $a + b + c = 7$ and $ab + bc + ca = 1$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

- A 412
- B 322
- C 325
- D 422

Answer: B

Question 57

In a circle of radius 13 cm, a chord is at a distance of 12 cm from the centre of the circle. What is the length of the chord?

- A 5 cm
- B 10 cm
- C 7 cm
- D 9 cm

Answer: B

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Question 58

This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

Years	Colleges				
	A	B	C	D	E
2015	68	65	80	92	72
2016	72	68	88	95	75
2017	74	77	92	98	73

If the number of passed out students of all five colleges is represented by a pie chart, what is the central angle (to nearest whole number) of the sector representing the passed out students of college C?

- A 69°
- B 77°
- C 79°
- D 67°

Answer: C

Question 59

In $\triangle ABC$, P is a point on BC such that $BP : PC = 4 : 3$ and Q is the midpoint of BP. Then $\text{ar}(\triangle ABQ) : \text{ar}(\triangle ACB)$ is equal to:

- A 1 : 5
- B 3 : 7
- C 4 : 7
- D 2 : 7

Answer: D

Question 60

The price of sugar is increased by 24%. A person wants to increase his expenditure by 18% only. By approximately what percent should he decrease his consumption?

- A 5.3%
- B 5.1%
- C 4.6%
- D 4.8%

Answer: D

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Question 61

The value of: $108 \div 36 \times 4 + 2.5 \times 4 \div 0.5 - 10$

- A 20
- B 22
- C 16
- D 18

Answer: B

Question 62

$\triangle ABC \sim \triangle EDF$ and $ar(\triangle ABC) : ar(\triangle DEF) = 4 : 9$. If $AB = 6$ cm, $BC = 8$ cm and $AC = 10$ cm, then DF is equal to:

- A 9 cm
- B 12 cm
- C 15 cm
- D 18 cm

Answer: B

Question 63

This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

Years	Colleges				
	A	B	C	D	E
2015	68	65	80	92	72
2016	72	68	88	95	75
2017	74	77	92	98	73

What is the approximate percentage increase in the number of students passing out of college B in the year 2017 as compared to the previous year?

- A 13%
- B 13.2%
- C 12.8%
- D 13.4%

Answer: B

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Question 64

If $12 \sin \theta = 5 \cos \theta$, then $\sin \theta + \cos \theta - \cot \theta$ is equal to:

- A $\frac{71}{65}$
- B $\frac{139}{156}$
- C $\frac{116}{156}$

D $-\frac{16}{65}$

Answer: A

Question 65

A sphere of radius 4 cm is melted and recast into smaller spheres of radii 2 cm each. How many such spheres can be made?

A 8

B 32

C 4

D 16

Answer: A

Question 66

If $\sqrt{x} - \frac{1}{\sqrt{x}} = 3\sqrt{2}$, then $x^2 + \frac{1}{x^2}$ is equal to:

A 324

B 326

C 402

D 398

Answer: D

Explanation:

squaring both sides,

$$x + \frac{1}{x} - 2 = 18 \quad [(a - b)^2 = a^2 + b^2 - 2ab]$$

$$\Rightarrow x + \frac{1}{x} = 20$$

squaring again both sides,

$$\Rightarrow x^2 + \frac{1}{x^2} + 2 = 20^2$$

$$\Rightarrow x^2 + \frac{1}{x^2} = 400 - 2 = 398$$

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Question 67

Walking at $\frac{3}{5}$ of his usual speed, a person reaches his office 20 minutes late than the usual time. His usual time in minutes is:

A 40

B 25

C 30

D 20

Answer: C

Explanation:

since distance is constant. So, time is inversely proportional to speed.

ratio of the speed = 5 : 3

ratio of the time = 3 : 5

Let the usual time is $3x$ and delayed time is $5x$.

From question, time difference is 20min.

$$\Rightarrow 5x - 3x = 20 \text{ min}$$

$$\Rightarrow x = 10 \text{ min}$$

$$\text{Usual time} = 3 \times 10 = 30 \text{ min}$$

Question 68

In a class of 40 students, 60% are girls. The average of the girls' marks is 72 and that of the boys is 54. What are the average marks of the whole class?

- A 65
- B 64.8
- C 65.4
- D 65.2

Answer: B

Explanation:

ratio of girls and boys = 60% : 40% = 3 : 2

Let the total number of girls and boys in the school is $3x$ and $2x$ respectively.

Total marks of the girls = avg marks \times total girls = $72 \times 3x$

Total marks of the Boys = $54 \times 2x$

$$\text{Avg marks of the school} = \frac{72 \times 3x + 54 \times 2x}{3x + 2x} = 64.8$$

Question 69

$\sec^2 29^\circ - \cot^2 61^\circ + \sin^2 60^\circ + \operatorname{cosec}^2 30^\circ$ is equal to:

- A $\frac{23}{4}$
- B $\frac{11}{4}$
- C $\frac{19}{4}$
- D $\frac{15}{4}$

Answer: A

Explanation:

We know that $\sec(90^\circ - \theta) = \operatorname{cosec} \theta$

$$\sec 29^\circ = \operatorname{cosec} 61^\circ$$

Now, $\operatorname{cosec}^2 61^\circ - \cot^2 61^\circ + \sin^2 60^\circ + \operatorname{cosec}^2 30^\circ$

$$= 1 + \frac{3}{4} + 1 \quad \text{Since, } (\operatorname{cosec}^2 \theta - \cot^2 \theta = 1)$$

$$= \frac{23}{4}$$

Question 70

The efficiencies of A, B and C are in the ratio 2 : 5 : 3. Working together, they can complete a task in 9 days. In how many days will C alone complete 40% of that task?

- A 15
- B 14
- C 12
- D 16

Answer: C

Explanation:

let the efficiencies of A, B and C are $2x$, $5x$ and $3x$ respectively.

Total work done by A, B and C in 9 days = $(2x + 5x + 3x) \times 9 = 90x$ Units.

$$40\% \text{ of total work} = \frac{90x \times 40}{100}$$

$$\text{C alone can do 40\% of total work in } \frac{90x \times 40}{100 \times 3x} = 12 \text{ days.}$$

Question 71

If $a : b = 2 : 5$, $c : b = 3 : 4$, then $a : b : c$ is equal to:

- A 2 : 5 : 4
- B 6 : 15 : 20
- C 2 : 5 : 3
- D 8 : 20 : 15

Answer: D

Explanation:

$$a : b = (2 : 5) \times 4$$

$$c : b = (3 : 4) \times 5$$

$$\Rightarrow a : b = 8 : 20$$

$$\text{And } c : b = 15 : 20$$

Combining we get, $a : b : c = 8 : 20 : 15$

Question 72

If $a - b = 5$ and $ab = 2$, then $a^3 - b^3$ is equal to:

- A 155
- B 125
- C 145
- D 95

Answer: A

Explanation:

We know that, $a^3 - b^3 = (a - b)^3 + 3ab(a - b)$

$$\begin{aligned}
 &= (5)^3 + 3 \times 2(5) \\
 &= 125 + 30 \\
 &= 155
 \end{aligned}$$

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Question 73

The difference between the compound interest and simple interest on ₹x at 7% per annum for 2 years is ₹24.50. What is the value of x?

- A 5,000
- B 4,800
- C 6,000
- D 5,400

Answer: A

Explanation:

SI for 2 years = $(7\% \text{ of } x) \times 2 = 14\% \text{ of } x$

CI for 2 years = $[7 + 7 + \frac{(7 \times 7)}{100}] \%$ of x = 14.49% of x

From question, (CI-SI) for 2 years = 24.50

$$\Rightarrow 14.49\% \text{ of } x - 14\% \text{ of } x = 24.50$$

$$\Rightarrow 0.49\% \text{ of } x = 24.50$$

$$\Rightarrow x = \frac{24.50 \times 100}{0.49}$$

$$\Rightarrow x = ₹ 5000$$

Question 74

This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

Years	Colleges				
	A	B	C	D	E
2015	68	65	80	92	72
2016	72	68	88	95	75
2017	74	77	92	98	73

In which college the average percentage of passing students over the given three years is the least?

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

Answer: D

Question 75

If $\operatorname{cosec} 4\theta = \sec(60^\circ - 2\theta)$, then θ is equal to:

- A 25°
- B 20°
- C 15°
- D 18°

Answer: C

Explanation:

since, $\operatorname{cosec} A = \sec B$ if $A + B = 90^\circ$

$$\text{So, } 4\theta + (60^\circ - 2\theta) = 90^\circ$$

$$\Rightarrow 2\theta = 30^\circ$$

$$\Rightarrow \theta = 15^\circ$$

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English

Instructions

For the following questions answer them individually

Question 76

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

Raju was playing with fire when he made speeches against the management.

- A smoking a cigarette
- B taking a grave risk
- C provoking the crowd
- D lighting candles

Answer: B

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Question 77

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

- A. The market which has remained clogged with vehicles was all clear for pedestrians.
- B. The road has even been marked with stripes demarcating space for hawkers.
- C. It is also lined with beautiful potted plants to give it a green look.
- D. Visitors to the busy Karol Bagh market in Delhi were in for a surprise.

- A DABC
- B ADBC
- C BDAC

D DCBA

Answer: A

Question 78

Select the most appropriate synonym of the given word.

ADEPT

A unknown

B kind-hearted

C skilled

D alone

Answer: C

Question 79

Select the most appropriate synonym of the given word.

INITIATE

A show

B slow

C sign

D start

Answer: D

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Question 80

Select the most appropriate option to fill in the blank.

Following detailed deliberations, the meeting has been _____till next week

A proposed

B reviewed

C adjourned

D cancelled

Answer: C

Question 81

Select the most appropriate antonym of the given word.

PROLONG

A allow

B shorten

C increase

D prevent

Answer: B

Question 82

Select the word which means the same as the group of words given.
One who does not tire easily

A indestructible

B inflatable

C indefatigable

D indelible

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.

Comprehension:

He remembers the first time he saw the elephant. "This was in 2007 at a (1) _____ called Thanni Paarai. Chinna Thambi was (2) _____ water on himself at a waterbody. The (3) _____ was green; not the kind people would drink," says Abraham. "After a nice shower, the elephant walked (4) _____ to a rock, lifted it, and drank from a (5) _____ under it."

Question 83

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

A market

B place

C street

D shop

Answer: B

Question 84

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

A sprinkling

B wetting

C raining

D sparkling

Answer: A

Question 85

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

- A water
- B milk
- C flower
- D leaf

Answer: A

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Question 86

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

- A above
- B over
- C behind
- D near

Answer: B

Question 87

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

- A pond
- B tap
- C spring
- D tank

Answer: C

Instructions

For the following questions answer them individually

Question 88

In the sentence identify the segment which contains the grammatical error.
There is many modes of travel to go to Agra but I prefer road travel.

- A prefer road travel.
- B Agra but I
- C There is many modes
- D to go to

Answer: C

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Question 89

Select the most appropriate option to fill in the blank.

Hima Das, the reigning world junior sprinter who _____ the national record, won the gold in the Federation Cup.

- A keeps
- B holds
- C plays
- D gets

Answer: B

Question 90

In the sentence identify the segment which contains the grammatical error.

Having just taking a heavy lunch, she was not ready to have any fruit.

- A she was not ready
- B to have any fruit.
- C Having just
- D taking a heavy

Answer: D

Question 91

Select the most appropriate antonym of the given word.

SCANTY

- A concise
- B small
- C precise
- D profuse

Answer: D

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Question 92

Select the correctly spelt word.

- A repitition
- B aggravate
- C accomplish
- D hieghten

Answer: C

Question 93

Select the correctly spelt word.

- A luxry
- B luxury
- C lugzury
- D luxery

Answer: B

Question 94

Select the correct passive form of the given sentence.

They opened a new mall nearby last month.

- A A new mall was opened nearby last month.
- B A new mall will be opened nearby last month.
- C Nearby a new mall is opened last month.
- D A new mall can be open nearby last month.

Answer: A

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Question 95

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

When we went to the cinema yesterday, the film had already start.

- A No improvement
- B the film had already started.
- C the film have already start.
- D the film was already start.

Answer: B

Question 96

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

- A. When we can't laugh at the same joke again, why should we cry over the same problems?
- B. One day he told them a joke and everyone roared with laughter.
- C. People came to a wise man to complain about the same problems every time.
- D. When he repeated the joke twice, nobody laughed anymore.

- A ADBC
- B DBCA
- C BACD

D CBDA

Answer: D

Question 97

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

I am think that tomorrow I will take leave and stay at home.

A I think that tomorrow I will take

B I was thinking that the next day I will be taking

C No improvement

D I have thought that tomorrow I am taking

Answer: A

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Question 98

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

The authorities have turned a deaf ear to all our requests.

A presented

B accepted

C acknowledged

D neglected

Answer: D

Question 99

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

Incapable of being read

A vague

B eligible

C unseen

D illegible

Answer: D

Question 100

Select the correct active form of the given sentence.

By whom were you taught Mathematics?

A Whom are you teaching Mathematics?

B Who will teach you Mathematics?

C Who teaching you Mathematics?

D Who taught you Mathematics?

Answer: D

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