



RBI Assistant 2016 Pattern Based

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English

Instructions

The following sentences are divided into four parts denoted by (A), (B), (C) and (D). Identify the part that has a wrong spelling or is inappropriate in the context of the sentence. If all the four parts are correct, choose the option (E) - all correct.

Question 1

The Kapoor family placed (A) a heavy wreathe on the (B) casket of Jayalalitha (C) before the burial.(D)

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

Answer: B

Explanation:

Wreathe means to encircle. The correct term to describe a bouquet of flowers at a cemetery is "wreath"

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Question 2

We, as an organization, (A) have some principals (B) and values that (C) can't be compromised on. (D)

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

Answer: B

Explanation:

"Principal" refers to a school headmaster/mistress. The term to describe morals and values is "principles".

Question 3

I had to stand all night (A) in the train because a stranger (B) occupied my train birth (C) and refused to move. (D)

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

Answer: C

Explanation:

Birth means start of life for a baby. The seat on a train is called berth.

Question 4

I felt ignored (A) and lonely as (B) nobody in my team heeded (C) to my advise. (D)

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

Answer: D

Explanation:

Advise is a verb where as advice is a noun. It means the process of giving advice. The correct term here is advice.

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Question 5

The students came out (A) with flying colours only (B) because they prepared (C) thoroughly for the exam. (D)

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

Answer: D

Explanation:

Thoroughly (and not throughly) means in great detail. There is a spelling mistake in the sentence given in the question.

Instructions

Read the passage carefully and answer the questions that follow:

In the Fifth grade, Benjamin Carson thought he was one of the dumbest kids in his class. His classmates thought he was one of the dumbest, his teacher thought he was one of the dumbest, and he thought he was one of the dumbest. Therefore, when he brought home a report that reflected poor progress, Benjamin was very **philosophical** about it. He told his mother, "Yah, you know it doesn't matter very much".

His mother had a different opinion. Having only a third grade education, Mrs. Carson knew that her children's only chance to escape poverty was through a good education. Her two boys were not reaching their potential at school, and she knew that if they were going to get a good education, it would have to start at home. She began with three rules. Rule number one, the boys would only be allowed to watch two pre-selected TV shows per week. Rule number two, the two boys would have to finish all their homework before they could watch TV or even play outside. Rule number three, the boys would have to read two books from the library each week and write a book report on each of them.

Benjamin was **dismayed** at these new rules and tried very hard to talk his mother out of them. She stood firm, and not thinking to disobey his mother, he followed her rules. Before long he saw the fruits of his labor, when he was the only one who knew an answer to a question the teacher asked the class. Then there was a second question only he

knew the answer to. His teacher and rest of his classmates were surprised that he knew the correct answer to such hard questions. He was even a little surprised himself, but he knew his knowledge came from the books he was reading. He began to **surmise** that if he could learn just a few facts from books at the library, he could learn anything.

Benjamin continued on his road of growth and became an academic leader in his school. He had learned to love reading and realized that he could channel that love into learning. He did not let the labels and jeers of others, forever box him into an **unproductive** and unfulfilling future. Mrs. Carson did not settle for less then her boys were capable of being, she demanded that they take their education seriously and gave them a structured way they could do it. Today Benjamin Carson, the boy who thought he was the dumbest boy in his 5th grade class, is a world famous surgeon at the prestigious Johns Hopkins Hospital in Maryland.

Question 6

What was Benjamin's first reaction to his mother's rules?

- A He plotted with his brother to try to talk their mother out of the rules
- B He did not have any reaction because he had a philosophical bent of mind
- C He felt distressed and tried to get his mother to change the rules
- D He felt happy that he was finally getting some help
- E He was not happy but welcomed them anyway

Answer: C

Explanation:

Refer to the following sentence from the paragraph: "Benjamin was dismayed at these new rules and tried very hard to talk his mother out of them". So, Benjamin was distressed and tried to get his mother to change the rules. Option c) is the correct answer.

Question 7

How did Mrs. Carson help her sons realize their true potential?

- A By setting three rules
- B By giving her sons a structured approach to education
- C By helping her sons realize the importance of education
- D By helping her sons with their homework
- E None of the above

Answer: B

Explanation:

Refer to the following sentence from the paragraph: "Mrs. Carson did not settle for less then her boys were capable of being, she demanded that they take their education seriously and gave them a structured way they could do it". So, Mrs. Carson helped her sons realize their true potential by giving them a structured approach to education. Option b) is the correct answer.

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Question 8

What was the incident that made Benjamin's teachers realize his true potential?

- A Benjamin's teachers never realized his true potential
- B The setting of the rules by Benjamin's mother

- C Benjamin's frequent visits to the library
- D The incident in the classroom when Benjamin was able to answer difficult questions
- E Cannot be inferred from the passage

Answer: E

Explanation:

After the incident in the classroom, when Benjamin was able to give answers to difficult questions, he started to realize his potential. However, there is no information in the passage about when Benjamin's teachers realized his potential or whether they realized his true potential at all. So, option e) is the correct answer.

Question 9

What is the tone of the passage?

- A humorous
- B descriptive
- C critical
- D analytical
- E narrative

Answer: E

Explanation:

In the passage, the author narrates the story of Benjamin. So, the tone of the passage is 'narrative'. Option e) is the correct answer.

Question 10

Why did Benjamin's mother insist so much on proper education for her sons?

- A Because she herself never got the opportunity to study beyond the third grade
- B Because she could not realize her dreams and she wanted her sons to realize her dream
- C Because she knew that the best chance for them to get out of poverty was by having good education
- D Because Benjamin and his brother had no clue about what they were missing in life
- E Because Benjamin and his brother were too philosophical and did not care much about education

Answer: C

Explanation:

Consider the following sentence from the paragraph: "Having only a third grade education, Mrs. Carson knew that her children's only chance to escape poverty was through a good education". So, Benjamin's mother insisted on a proper education for her sons because she knew that the best chance for them to escape poverty was by getting good education. Option c) is the correct answer.

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Question 11

Which of the following statements can be inferred from the passage?

- A Benjamin was the first person in his family to graduate high school

- B** Benjamin realized that he had a good chance of becoming a doctor after he answered the two questions
- C** Benjamin's mother stressed on good education because she did not have the opportunity to study much
- D** Benjamin and his brother were the only two people in his family to go to college
- E** None of the above

Answer: E

Explanation:

We do not have information about Benjamin's brother. So, we cannot say if he went to college or not. Options a) and d) cannot be inferred. Benjamin realized that he could get do well in studies when he answered the questions but we cannot say he realized then that he could become a doctor. So, option b) cannot be inferred. Option c) also cannot be inferred. We cannot say if Mrs. Carson could not get good education because of a lack of opportunity. Option e) is the correct answer.

Question 12

Which of the following is a synonym of the word "philosophical"?

- A** abstract
- B** concrete
- C** analytical
- D** rational
- E** irrational

Answer: A

Explanation:

The word 'philosophical' means to be abstract and not take a concrete stand. From the options, the word 'abstract' is the most suitable. The other words are either antonyms of the word or they are unrelated to the word. Option a) is the correct answer.

Question 13

Which of the following is a synonym of the word "dismay"?

- A** composed
- B** tranquility
- C** anxiety
- D** confidence
- E** security

Answer: C

Explanation:

'Dismay' means 'distressed'. Among the options, the word that is closest in meaning to this word is 'anxiety'. The other words are antonyms of this word. Option c) is the correct answer.

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Question 14

Which of the following is a synonym of the word "surmise"?

- A preach
- B teach
- C surprise
- D infer
- E generalize

Answer: D

Explanation:

The word surmise means to deduce or infer. From the options, the word 'infer' is the most suitable. Option d) is the correct answer.

Question 15

Which of the following is a synonym of the word "unproductive"?

- A helpful
- B useless
- C beneficial
- D fruitful
- E worthwhile

Answer: B

Explanation:

Unproductive means 'not productive or not useful'. Among the options, the word that is closest in meaning to this is 'useless'. All the other words are antonyms of this word. Option b) is the correct answer.

Instructions

The following sentences when properly arranged for a coherent paragraph. Answer the questions based on the correct order of sentences.

- A. We have a firm belief that it will rise in the future, because it has risen in the past.
- B. The interesting doubt is as to whether the laws of motion will remain in operation until tomorrow.
- C. Of course it might be doubted whether we are quite certain that there is nothing outside to interfere, but this is not the interesting doubt.
- D. If this doubt is raised, we find ourselves in the same position as when the doubt about the sunrise was first raised.
- E. It is obvious that if we are asked why we believe that the sun will rise to-morrow, we shall naturally answer 'Because it always has risen every day'.
- F. If we are challenged as to why we believe that it will continue to rise as heretofore, we may appeal to the laws of motion: the earth, we shall say, is a freely rotating body, and such bodies do not cease to rotate unless something interferes from outside, and there is nothing outside to interfere with the earth between now and tomorrow.

Question 16

What is the fourth sentence after rearrangement?

- A A
- B B
- C C

D D

E E

Answer: C

Explanation:

The opening sentence is E - it opens the paragraph with a question. This is followed by sentence A, which gives an answer to the question asked in E. Next is F, which describes the answer further. This is followed by C, which talks about certain talks about a doubt. Next is B, which describes what this doubt is. The last sentence is D. So, the correct order of sentences is EAF CBD.

So, the fourth sentence after rearrangement is C.

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Question 17

What is the sixth sentence after rearrangement?

A A

B B

C C

D D

E E

Answer: D

Explanation:

The opening sentence is E - it opens the paragraph with a question. This is followed by sentence A, which gives an answer to the question asked in E. Next is F, which describes the answer further. This is followed by C, which talks about certain talks about a doubt. Next is B, which describes what this doubt is. The last sentence is D. So, the correct order of sentences is EAF CBD.

So, the sixth sentence after rearrangement is D.

Question 18

What is the first sentence after rearrangement?

A A

B E

C C

D F

E B

Answer: B

Explanation:

The opening sentence is E - it opens the paragraph with a question. This is followed by sentence A, which gives an answer to the question asked in E. Next is F, which describes the answer further. This is followed by C, which talks about certain talks about a doubt. Next is B, which describes what this doubt is. The last sentence is D. So, the correct order of sentences is EAF CBD.

So, the first sentence after rearrangement is E.

Question 19

What is the third sentence after rearrangement?

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

Answer: C

Explanation:

The opening sentence is E - it opens the paragraph with a question. This is followed by sentence A, which gives an answer to the question asked in E. Next is F, which describes the answer further. This is followed by C, which talks about certain talks about a doubt. Next is B, which describes what this doubt is. The last sentence is D. So, the correct order of sentences is EAFCBD.

So, the third sentence after rearrangement is F.

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Question 20

What is the second sentence after rearrangement?

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

Answer: A

Explanation:

The opening sentence is E - it opens the paragraph with a question. This is followed by sentence A, which gives an answer to the question asked in E. Next is F, which describes the answer further. This is followed by C, which talks about certain talks about a doubt. Next is B, which describes what this doubt is. The last sentence is D. So, the correct order of sentences is EAFCBD.

So, the second sentence after rearrangement is A.

Instructions

In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage, against each, five words are suggested. One of the five words fits in the given blank perfectly. Mark the most appropriate word.

Adolescence is a transitional phase between childhood and adulthood characterized by marked acceleration in growth. It is a second chance for growth or _____ (1) growth for those children who have experienced nutritional _____ (2) in early childhood. A large number of adolescents from South and South-east Asian countries suffer from chronic malnutrition and anaemia which _____ (3) their development. The high rate of malnutrition in girls contributes to the intergenerational cycle of malnutrition, and in most developing countries nutrition initiatives have _____ (4) on children and women, essentially neglecting adolescents, especially boys.

India has a large population of adolescents and also of slum dwellers in urban areas. Although a number of studies from India have been published on adolescents' anthropometry among school children from urban and rural areas

_____ (5) prevalence of undernutrition ranging from 17% to 65%, there are only a few studies conducted on the growth of adolescents from urban slums covering adolescents not _____ (6) school. _____ (7) the growth issues of this underprivileged group could be an important step towards breaking the _____ (8) cycle of intergenerational malnutrition, chronic diseases, and poverty. Such assessments need special consideration since they _____ (9) a large proportion of the urban population and suffer from adverse living conditions such as unsafe water, poor housing, overcrowding, and limited health facilities, especially when _____ (10) to school-going urban adolescents not living in slums.

Source: Sushama A. Khopkar, Suvi M. Virtanen, and Sangita Kulathinal, "Anthropometric Characteristics of Underprivileged Adolescents: A Study from Urban Slums of India," Journal of Anthropology, vol. 2014, Article ID 197048, 9 pages, 2014. doi:10.1155/2014/197048

Question 21

(1)

- A handicapped
- B deferred
- C lesser
- D catch-up
- E first

Answer: D

Explanation:

From the context we can infer that the word refers to growth in children suffering from nutritional issues to make up for the earlier lack of growth. Hence, the appropriate phrase for the blank is catch-up.

Question 22

(2)

- A malnutrition
- B deficiencies
- C excesses
- D recesses
- E disturbances

Answer: B

Explanation:

From the context we can infer that the word means inadequate. Hence, deficiencies is the most suitable word.

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Question 23

(3)

- A affect
- B effect
- C increase

D boost

E apply

Answer: A

Explanation:

From the context we can infer that the word means impact in a negative way. Hence, affect fits in the blank.

Question 24

(4)

A segregated

B identified

C run

D retired

E focused

Answer: E

Explanation:

From the context, we can infer that the word means targeted. Hence, focused is the appropriate word.

Question 25

(5)

A ascending

B escalating

C reporting

D arguing

E recommending

Answer: C

Explanation:

Studies report or recommend things. As the study cannot recommend prevalence of undernutrition, the word should be reporting.

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Question 26

(6)

A seeing

B going

C visit

D attending

E evaluating

Answer: D

Explanation:

Children go to or attend school. As “to” is missing after the blank, the appropriate word is attending.

Question 27

(7)

- A addressing
- B asking
- C preparing
- D living
- E touching

Answer: A

Explanation:

From the context, we can infer that the author is trying to convince the reader of the need to focus on solving the nutritional issues being faced by adolescents. Hence, as we address and issue, option A is most suitable for the blank.

Question 28

(8)

- A artistic
- B vicious
- C caricature
- D two-way
- E time-sensitive

Answer: B

Explanation:

The phrase “vicious cycle” means a sequence of reciprocal cause and effect which lead to a bad situation. Hence, option B.

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Question 29

(9)

- A commend
- B constitute
- C confer
- D connect
- E cater

Answer: B

Explanation:

From the context we can infer that the word means comprise or constitute. Hence, option B.

Question 30

(10)

- A regarded
- B compared
- C distinguished
- D differed
- E remained

Answer: B

Explanation:

From the context we can infer that the author is comparing adolescents living in slums to those who are not. Hence, option B.

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Reasoning

Instructions

Observe the series and answer the questions that follow:

A H Y 6 8 @ R 5 U 7 I 4 # N 3 O J M K & % L Q W E

Question 31

How many odd numbers are there in the series that are immediately followed by a vowel?

- A 0
- B 1
- C 2
- D 3
- E 4

Answer: D

Explanation:

5,7 and 3 are odd numbers followed by vowels.

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Question 32

Find the odd one out among the options.

- A A6R
- B R#7
- C N&J;

D KEL

E YU@

Answer: A

Explanation:

All the options except (a) have an element, the element six positions to its right and the element three positions to its right.

Question 33

How many even numbers are there in the series?

A 1

B 2

C 3

D 4

E 0

Answer: C

Explanation:

4, 6 and 8 are the even numbers in the series.

Question 34

If all the symbols are dropped from the series, which would be the tenth element from the left?

A I

B 7

C U

D 5

E @

Answer: A

Explanation:

@ is a symbols and is hence dropped. Then I becomes the 10th alphabet.

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Question 35

How many consonants are followed by numbers?

A 0

B 1

C 2

D 3

E 4

Answer: D

Explanation:

Y, R and N are the three consonants followed by numbers.

Instructions

Study the following arrangement carefully and answer the questions that follow:

Trilok, Mukund, Mahesh, Somesh, Arjun and Bhupal are living in the six floors of a six-storeyed apartment numbered from 1 to 6. Floor 1 is the lowest and floor 6 is the highest. Mahesh is living in an even numbered floor. Arjun is not living either at the topmost floor or the bottom most floor. Trilok is above Mukund and Mahesh. Bhupal is below Somesh. There are two floors between Arjun and Mukund and Mukund does not live on the lowest floor.

Question 36

Who is in floor 2?

- A Trilok
- B Arjun
- C Mukund
- D Somesh
- E Can't be determined

Answer: E

Explanation:

Arjun is not in the topmost or bottommost floor and there are two floors between Arjun and Mukund. This is only possible if Arjun is in 5 and Mukund is in 2 or Mukund is in 5 and Arjun is in 2.

Lets assume Arjun is in 5 and Mukund is in 2. Mahesh is in an even numbered floor and Trilok is above Mahesh and Mukund is possible only if Trilok is in 6 and Mahesh is in 4. Bhupal is below Somesh. So, Bhupal is in 1 and Somesh is in 3.

If Arjun is in 2 and Mukund in 5, Trilok will be in 6 as he is above Mukund. Mahesh is in an even numbered floor, so he will be in 4. Bhupal is below Somesh. So, Bhupal will be in 1 and Somesh will be in 3.



So, we can't determine if Arjun or Mukund is in 2 (or 5).

Question 37

How many floors are there below Arjun?

- A 0

- B 1
- C 2
- D 3
- E Can't be determined

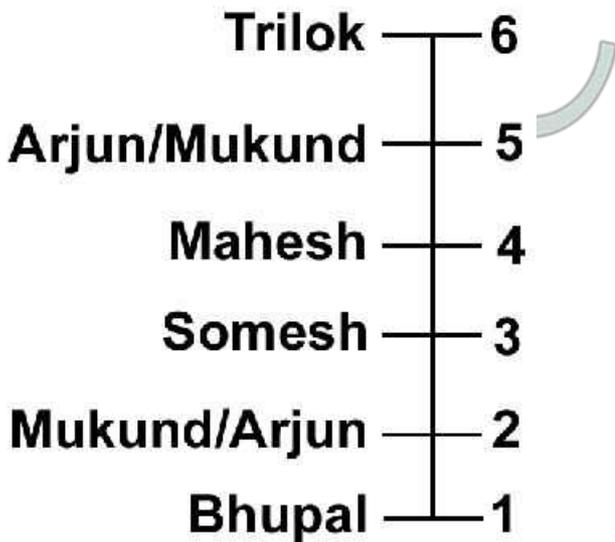
Answer: E

Explanation:

Arjun is not in the topmost or bottommost floor and there are two floors between Arjun and Mukund. This is only possible if Arjun is in 5 and Mukund is in 2 or Mukund is in 5 and Arjun is in 2.

Lets assume Arjun is in 5 and Mukund is in 2. Mahesh is in an even numbered floor and Trilok is above Mahesh and Mukund is possible only if Trilok is in 6 and Mahesh is in 4. Bhupal is below Somesh. So, Bhupal is in 1 and Somesh is in 3.

If Arjun is in 2 and Mukund in 5, Trilok will be in 6 as he is above Mukund. Mahesh is in an even numbered floor, so he will be in 4. Bhupal is below Somesh. So, Bhupal will be in 1 and Somesh will be in 3. So, we can't determine if Arjun or Mukund is in 2 (or 5).



So, the answer is (e) Can't be determined.

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Question 38

Where is Mukund living with respect to Trilok?

- A Immediately below
- B Two floors below
- C Three floor below
- D Four floors below
- E Can't be determined

Answer: E

Explanation:

Arjun is not in the topmost or bottommost floor and there are two floors between Arjun and Mukund. This is only possible if Arjun is in 5 and Mukund is in 2 or Mukund is in 5 and Arjun is in 2.

Lets assume Arjun is in 5 and Mukund is in 2. Mahesh is in an even numbered floor and Trilok is above Mahesh and Mukund is possible only if Trilok is in 6 and Mahesh is in 4. Bhupal is below Somesh. So, Bhupal is in 1 and Somesh is in 3.

If Arjun is in 2 and Mukund in 5, Trilok will be in 6 as he is above Mukund. Mahesh is in an even numbered floor, so he will be in 4. Bhupal is below Somesh. So, Bhupal will be in 1 and Somesh will be in 3. So, we can't determine if Arjun or Mukund is in 2 (or 5).



So, the answer is (e) Can't be determined.

Question 39

Where is Bhupal living with respect to Mahesh?

- A Immediately below
- B Two floors below
- C Three floor below
- D Four floors below
- E Can't be determined

Answer: C

Explanation:

Arjun is not in the topmost or bottommost floor and there are two floors between Arjun and Mukund. This is only possible if Arjun is in 5 and Mukund is in 2 or Mukund is in 5 and Arjun is in 2.

Lets assume Arjun is in 5 and Mukund is in 2. Mahesh is in an even numbered floor and Trilok is above Mahesh and Mukund is possible only if Trilok is in 6 and Mahesh is in 4. Bhupal is below Somesh. So, Bhupal is in 1 and Somesh is in 3.

If Arjun is in 2 and Mukund in 5, Trilok will be in 6 as he is above Mukund. Mahesh is in an even numbered floor, so he will be in 4. Bhupal is below Somesh. So, Bhupal will be in 1 and Somesh will be in 3.

So, we can't determine if Arjun or Mukund is in 2 (or 5).



The floor of Bhupal is 1 and Mahesh is 4. So, Bhupal is three floors below Mahesh.

Question 40

If the tenants are assigned floors based on their names in alphabetical order, so the first name in a dictionary would get the topmost floor and so on, the floor number of Trilok would change by

- A 2
- B 3
- C 4
- D 5
- E Can't be determined

Answer: D

Explanation:

The arrangement in the alphabetical order would be Arjun - 6, Bhupal - 5, Mahesh -4 , Mukund - 3, Somesh -2, Trilok - 1



So, his position changes from 6 to 1 ie by 5.

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Instructions

For the following questions answer them individually

Question 41

Statements: $Q < W < V < B, L > V$

Conclusion I: $B \geq L$

Conclusion II: $L > Q$

- A If only conclusion I follows
- B If only conclusion II follows
- C If either conclusion I or II follows
- D If neither conclusion I or II follows
- E If both conclusion I and II follow

Answer: B

Explanation:

There is no direct relation between B and L. Hence, we cannot say that $B \geq L$. $L > V$ and $V > Q \Rightarrow$ Hence $L > Q$. Hence, only conclusion II follows.

Question 42

Each vowel in the word CONTINENT is replaced by the next letter in the English alphabet and each consonant is changed with the next letter in the English alphabet. Which of the following will be the second from the right end in the new arrangement?

- A O
- B N
- C M
- D F
- E None of the above

Answer: A

Explanation:

O, I and E are vowels. All the others are consonants. The second from the right end is N. It is a consonant and hence replaced with O

Instructions

If A+B means "A is the husband of B"

A-B means "A is the sister of B"

A*B means "A is the brother of B"

A\$B means "A is the father of B"

Question 43

If A+B-C*D is true, how is A related to D?

- A Cousin
- B Father
- C Brother
- D Brother-in-law
- E none of these

Answer: D

Explanation:

$A+B-C \times D \implies$ A is the husband of B, B is the sister of C, C is the brother of D.
 \implies A is the brother-in-law of D.
So correct option to choose is D.

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Instructions

For the following questions answer them individually

Question 44

In a certain code language, if 'PENCIL' is coded as 'OQDFMOBDHJKM' and 'BOX' is coded as 'ACNPWY', then what is the code for 'ERASER'?

- A BFRSABRRCFQS
- B BFQSABRTCFQS
- C DFQSZBRTDFQS
- D DFQSABRTDFQS
- E None of the above

Answer: C

Explanation:

Every letter in the word is replaced with its previous and next letters. So, P is replaced with OQ, E is replaced with DF, N is replaced with MO and so on. So, the code for 'ERASER' is 'DFQSZBRTDFQS'. Note that the code for 'A' is 'ZB'. Option c) is the correct answer.

Question 45

How many meaningful English words can be formed using the all the letters A, E, M, N?

- A 1
- B 2
- C 3
- D 4
- E 5

Answer: D

Explanation:

The words that can be formed are "amen", "mane", "mean" and "name".

Question 46

Abhishek starts from the point A and rides towards north for 5 km and then he turns right and rides for 10 km to take a left turn and then he rides for 6 km to take another left turn, then he rides for another 7 km to take another left turn and he finally stops at a point after travelling 11 km. What is the final position of Abhishek with respect to point A?

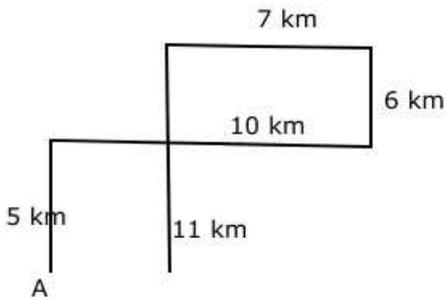
- A 3 km towards the east
- B 5 km towards the west

- C 7 km towards the west
- D 5 km towards the east.
- E Cannot be determined.

Answer: A

Explanation:

Based on the given information, the path travelled by abhishek could be as below.



==> The final point is 3 km towards the east of point A.

So the correct option to choose is A - 3km towards the east.

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Instructions

Five friends - Amar, Bablu, Chatur, Dileep and Eisha - have different heights and ages. Further:

- a) Chatur is taller than only two persons.
- b) Exactly one person is taller than Dileep.
- c) Bablu is the older than only Eisha.
- d) The person who is the youngest is not the tallest.
- e) Chatur is shorter than Dileep but older than him.
- f) Amar is taller than none of the other friends and older than only Bablu and Eisha.

Question 47

Who among the following occupy the same ranking in both height and age?

- A Amar
- B Bablu
- C Chatur
- D Dileep
- E Eisha

Answer: D

Explanation:

Chatur is taller than only two persons => Chatur is third tallest.

Exactly one person is taller than Dileep => Dileep is second tallest.

Amar is taller than none of the other friends => Amar is shortest.

Bablu is the older than only Eisha => Bablu is second youngest and Eisha is youngest.

The youngest is not the tallest => Eisha is fourth tallest and Bablu is tallest.

Amar is older than only Bablu and Eisha => Amar is third youngest.

Chatur is older than Dileep => Chatur is oldest and Dileep is second oldest.

Dileep is 2nd in both height and age.

Height	Bablu	Dileep	Chatur	Eisha	Amar
Age	Chatur	Dileep	Amar	Bablu	Eisha

Question 48

Who among the following is taller than Amar only?

- A** Amar
- B** Eisha
- C** Chatur
- D** Bablu
- E** Cannot be determined

Answer: B

Explanation:

Chatur is taller than only two persons => Chatur is third tallest.
 Exactly one person is taller than Dileep => Dileep is second tallest.
 Amar is taller than none of the other friends => Amar is shortest.
 Bablu is the older than only Eisha => Bablu is second youngest and Eisha is youngest.
 The youngest is not the tallest => Eisha is fourth tallest and Bablu is tallest.
 Amar is older than only Bablu and Eisha => Amar is third youngest.
 Chatur is older than Dileep => Chatur is oldest and Dileep is second oldest.
 Eisha is the only person who is taller than Amar only.

Height	Bablu	Dileep	Chatur	Eisha	Amar
Age	Chatur	Dileep	Amar	Bablu	Eisha

Instructions

For the following questions answer them individually

Question 49

Statements: $Y \leq C \leq M = P \leq D$

Conclusion I: $Y < D$

Conclusion II: $Y = D$

- A If only conclusion I follows
- B If only conclusion II follows
- C If either conclusion I or II follows
- D If neither conclusion I or II follows
- E If both conclusion I and II follow

Answer: C

Explanation:

The only case when $Y < D$ is when $Y=C=M=P=D$. Hence, either conclusion I or conclusion II is true.

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Question 50

Sita starts from point A and travels towards north for 2 km, then she takes a turn of 60° to her right and travels for another 2 km, then she takes a turn of 120° to her right and travels for another 2 km. Finally, she takes a turn of 135° to her left.

What is the direction she is finally facing?

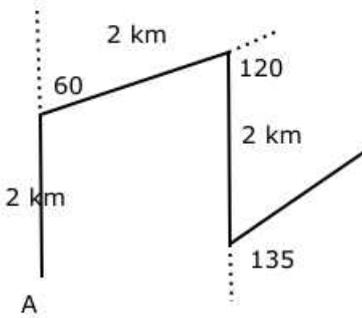
- A North
- B South -west
- C North-east
- D East

E Cannot be determined

Answer: C

Explanation:

Based on the given information, the path travelled by sita could be as below.



Therefore the direction she finally faces is North-east.

Question 51

Statements: $E \geq P \geq X > R = S \geq T$

Conclusion I: $T < P$

Conclusion II: $X < E$

- A If only conclusion I follows
- B If only conclusion II follows
- C If either conclusion I or II follows
- D If neither conclusion I or II follows
- E If both conclusion I and II follow

Answer: A

Explanation:

$T \leq S < X \leq P$. Thus, $T < X \leq P$. Hence, $T < P$. Thus conclusion I follows. $X \leq P \leq E$. As $X=P=E$ is a possibility, we cannot say $X < E$. Hence, only conclusion I follows.

Instructions

The following 5 questions are based on the below five numbers.

218 403 519 646 375

Question 52

If all the digits of the numbers of the set are arranged in descending order to form new numbers, then what is the second number in the ascending order of the new set of numbers?

- A 430
- B 821
- C 664
- D 218
- E None of these

Answer: C

Explanation:

New set of numbers after arranging the digits in the descending order:

821 430 951 664 753

Ascending order of new set of numbers:

430 664 753 821 951

Therefore second number = 664

So the correct option to choose is C.

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Question 53

If all the numbers are arranged in ascending order, what is the average of first and last numbers?

- A 456
- B 418.5
- C 386
- D 432
- E None of these

Answer: D

Explanation:

The ascending order of the given set of number:

218 375 403 519 646

Average = $(218+646)/2 = 432$

So the correct option to choose is D.

Question 54

What is the difference of the second smallest and the second largest numbers in the new set, which is formed after replacing the first digit of every number with the last digit of the number obtained by doubling the first digit?

- A 289
- B 362
- C 429
- D 144
- E None of these

Answer: C

Explanation:

The new set of numbers:

418 803 019 246 675

Difference = $675-246 = 429$

So the correct option to choose is C.

Question 55

If the new set of numbers is formed after interchanging first and last digits of the numbers, what is the fourth number in the ascending order of new set of numbers?

- A 646

- B 812
- C 756
- D 403
- E none of these



Answer: B

Explanation:

The new set of numbers is

812 304 915 646 573

Ascending order:

304 573 646 812 915

So the correct option to choose is B.

General Knowledge Questions & Answers (Download pdf)

Question 56

What is the average of all the numbers in the new set, which is formed after increasing both first and second digits of individual numbers by 1?

- A 553
- B 527
- C 536
- D 548
- E none of the these

Answer: E

Explanation:

The new set of numbers:

328 513 629 756 485

Average = $(328+513+629+756+485)/5 = 542.2$

Since there is no such option, the correct option to choose is E.

Instructions

For the following questions answer them individually

Question 57

Ganesh starts from point A and travels towards the east for 36 km to reach point B, at B he takes a right turn and travels for 77 km to reach point C.

What is the distance between the points A and C?

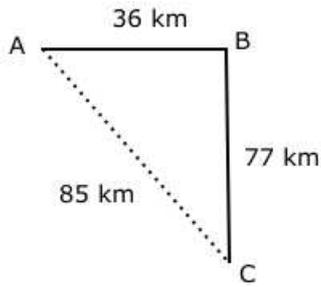
- A 75
- B 89
- C 86
- D 85
- E none of these



Answer: D

Explanation:

Based on the given information, the path travelled by Ravi could be as below.



Distance between A and C = $\sqrt{77^2 + 36^2}$

So the correct option to choose is C - 85

Question 58

Statements: $R > P > X > T$; $X > S > V$

Conclusion I: $R > V$

Conclusion II: $P > S$

- A If only conclusion I follows
- B If only conclusion II follows
- C If either conclusion I or II follows
- D If neither conclusion I or II follows
- E If both conclusion I and II follow

Answer: E

Explanation:

As $R > X$ and $X > V$, $R > V$. As $P > X$ and $X > S$, $P > S$. Hence, both conclusion follow from the statements.

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Instructions

7 friends - Amar, Bablu, Chintu, Dawood, Emraan, Farza and Gautam - are sitting in a straight line facing North. Further:

- 1) Dawood and Bablu are sitting beside each other.
- 2) Amar and Emraan have two people in between them.
- 3) Dawood is not an immediate neighbour of either Chintu or Gautam.
- 4) Neither Chintu nor Gautam sits at the extreme ends.
- 5) Third to the left of Gautam sits Chintu.
- 6) Exactly one person sits between Emraan and Chintu.

Question 59

Who sits to the left of Emraan?

- A Chintu
- B Bablu
- C Farza
- D Gautam

E Amar

Answer: C

Explanation:

Third to the left of Gautam sits Chintu and neither of them sit at the extremes => Gautam can sit either on the fifth place or the sixth place.

If Gautam sits in the sixth place, then Chintu sits in the third place.

Exactly one person sits between Emraan and Chintu => Emraan can sit in either the first place or the fifth place.

Either arrangement cannot have Bablu and Dawood together.

Hence, Gautam does not sit in the sixth position.

=> Gautam sits in the fifth position and Chintu sits in the third position => Emraan sits in the fourth position.

=> Amar can sit in either the first position or the seventh position.

But if Amar sits in the seventh position, Bablu and Dawood cannot sit together. Hence, Amar sits in the first position

=> Farza sits in the third position.

Dawood's neighbour is not Gautam => Dawood sits in the seventh position and Bablu sits in the sixth position.

Amar -- Chintu -- Farza -- Emraan -- Gautam -- Bablu -- Dawood

Farza sits to the left of Emraan.

Question 60

Who among the following sits in the extreme end?

A Farza

B Dawood

C Emraan

D Bablu

E None of these

Answer: B

Explanation:

Third to the left of Gautam sits Chintu and neither of them sit at the extremes => Gautam can sit either on the fifth place or the sixth place.

If Gautam sits in the sixth place, then Chintu sits in the third place.

Exactly one person sits between Emraan and Chintu => Emraan can sit in either the first place or the fifth place.

Either arrangement cannot have Bablu and Dawood together.

Hence, Gautam does not sit in the sixth position.

=> Gautam sits in the fifth position and Chintu sits in the third position => Emraan sits in the fourth position.

=> Amar can sit in either the first position or the seventh position.

But if Amar sits in the seventh position, Bablu and Dawood cannot sit together. Hence, Amar sits in the first position

=> Farza sits in the third position.

Dawood's neighbour is not Gautam => Dawood sits in the seventh position and Bablu sits in the sixth position.

Amar -- Chintu -- Farza -- Emraan -- Gautam -- Bablu -- Dawood

Among the given options, only Dawood sits at the extreme end.

Question 61

How many people sit in between Chintu and Dawood?

A 0

B 1

C 2

D 3

E 4

Answer: E

Explanation:

Third to the left of Gautam sits Chintu and neither of them sit at the extremes => Gautam can sit either on the fifth place or the sixth place.

If Gautam sits in the sixth place, then Chintu sits in the third place.

Exactly one person sits between Emraan and Chintu => Emraan can sit in either the first place or the fifth place.

Either arrangement cannot have Bablu and Dawood together.

Hence, Gautam does not sit in the sixth position.

=> Gautam sits in the fifth position and Chintu sits in the fifth position => Emraan sits in the fourth position.

=> Amar can sit in either the first position or the seventh position.

But if Amar sits in the seventh position, Bablu and Dawood cannot sit together. Hence, Amar sits in the first position

=> Farza sits in the third position.

Dawood's neighbour is not Gautam => Dawood sits in the seventh position and Bablu sits in the sixth Position.

Amar -- Chintu -- Farza -- Emraan -- Gautam -- Bablu -- Dawood

Four people sit between Chintu and Dawood.

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Question 62

In what position does Gautam sit from Farza?

- A second to the right
- B second to the left
- C third to the left
- D third to the right
- E first to the left

Answer: A

Explanation:

Third to the left of Gautam sits Chintu and neither of them sit at the extremes => Gautam can sit either on the fifth place or the sixth place.

If Gautam sits in the sixth place, then Chintu sits in the third place.

Exactly one person sits between Emraan and Chintu => Emraan can sit in either the first place or the fifth place.

Either arrangement cannot have Bablu and Dawood together.

Hence, Gautam does not sit in the sixth position.

=> Gautam sits in the fifth position and Chintu sits in the fifth position => Emraan sits in the fourth position.

=> Amar can sit in either the first position or the seventh position.

But if Amar sits in the seventh position, Bablu and Dawood cannot sit together. Hence, Amar sits in the first position

=> Farza sits in the third position.

Dawood's neighbour is not Gautam => Dawood sits in the seventh position and Bablu sits in the sixth Position.

Amar -- Chintu -- Farza -- Emraan -- Gautam -- Bablu -- Dawood

Gautam sits second to the right of Farza.

Question 63

Who among the following are the neighbours of Chintu?

- A Farza and Gautam
- B Bablu and Emraan

- C Emraan and Gautam
- D Amar and Farza
- E Amar and Emraan

Answer: D

Explanation:

Third to the left of Gautam sits Chintu and neither of them sit at the extremes => Gautam can sit either on the fifth place or the sixth place.

If Gautam sits in the sixth place, then Chintu sits in the third place.

Exactly one person sits between Emraan and Chintu => Emraan can sit in either the first place or the fifth place.

Either arrangement cannot have Bablu and Dawood together.

Hence, Gautam does not sit in the sixth position.

=> Gautam sits in the fifth position and Chintu sits in the third position => Emraan sits in the fourth position.

=> Amar can sit in either the first position or the seventh position.

But if Amar sits in the seventh position, Bablu and Dawood cannot sit together. Hence, Amar sits in the first position

=> Farza sits in the third position.

Dawood's neighbour is not Gautam => Dawood sits in the seventh position and Bablu sits in the sixth position.

Amar -- Chintu -- Farza -- Emraan -- Gautam -- Bablu -- Dawood

Chintu's neighbours are Amar and Farza.

Instructions

Study the information carefully and answer the questions that follow:

Lavkush is the husband of Devi. Lavkush has 3 children. Navin is the brother of Chang and Praneet. Praneet is the daughter of Lavkush.

Question 64

How is Devi related to Chang?

- A Sister
- B Daughter
- C Granddaughter
- D Mother
- E Can't be determined

Answer: D

Explanation:

Praneet is the daughter of Lavkush. Chang, Praneet and Navin are siblings. So, Chang, Naveen and Praneet are the children of Lavkush and Devi. So, Devi is Sam's mother.

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Instructions

For the following questions answer them individually

Question 65

Statements: $R \leq S \leq T \leq U$; $Z \geq Y \geq U$

Conclusion I: $R < Z$

Conclusion II: $S < Y$

- A If only conclusion I follows
- B If only conclusion II follows

- C If either conclusion I or II follows
- D If neither conclusion I or II follows
- E If both conclusion I and II follow

Answer: D

Explanation:

As there is an equality sign in all the statements, all the variables could be equal. Hence, we cannot say $R < Z$ or $S < Y$. Hence, neither conclusion follows from the statements.

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Quant

Instructions

For the following questions answer them individually

Question 66

$$14 * 90 * 36 * ? = 2268000$$

- A 10
- B 20
- C 30
- D 40
- E 50

Answer: E

Explanation:

$$2268000/90 = 25200$$

$$25200/36 = 700$$

$$700/14 = 50$$

$$\text{So, } ? = 50$$

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Question 67

A mixture of 150 L of wine and water contains 20% water. How many litres of water must be added so that water may be 25% of the mixture?

- A 12 L
- B 8 L
- C 10 L
- D 6 L
- E None of these

Answer: C

Explanation:

The mixture contains 20% water and 80% of wine.

By the rule of allegation, Ratio of wine : water = $75 : 5 = 15 : 1$

For 15 L wine, 1 L water is to be added.

\therefore For 150 L wine, $\frac{(150 \times 1)}{15} = 10$ L to be added.

Question 68

2 persons start a business with an amount of 12000 and 15000 respectively and 3 months later a third person joins them with an amount of 20000. What will be the ratio in which the profit will be distributed at the end of the year?

- A 4:6:7
- B 4:1:3
- C 4:4:3
- D 4:5:5
- E 4:7:6

Answer: D

Explanation:

As we know that the profit will be distributed in the ratio of (money invested)*(Duration for which money was invested).

Hence, Ratio will be = $12000 \times 12 : 15000 \times 12 : 20000 \times 9 = 4:5:5$

Question 69

The average weight of a group consisting of 7 people is 55 kg. Two people with a total weight of 124 kg left the group and three people whose average weight is 61 kg joined the group. What is the new average weight of the group?

- A 63.4 kg
- B 56.5 kg
- C 54.5 kg
- D 55.5 kg
- E None of the above

Answer: D

Explanation:

The total weight of the original group = $55 \times 7 = 385$ kg

Total weight of the people who left the group = 124 kg

Total weight of the people who joined the group = $61 \times 3 = 183$ kg

New total weight of the group = $385 - 124 + 183 = 444$ kg

New average weight of the group = $444/8 = 55.5$ kg

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Question 70

$56789 + 76543 + 12345 + 98706 - 89012 - 65432 - 23568 = ?$

- A 43583
- B 90583

- C 88678
- D 66371
- E 76883

Answer: D

Explanation:

$$56789 + 76543 + 12345 + 98706 - 89012 - 65432 - 23568 = 66371$$

Question 71

The effective annual rate of interest corresponding to a nominal rate of 6% per annum payable half-yearly is:

- A 6.10%
- B 6.11%
- C 6.08%
- D 6.09%
- E None of these

Answer: D

Explanation:

Amount of Rs.100 for 1 year when compounded half-yearly = Rs. $[100 \times (1 + 3/100)^2]$ = Rs.106.09

Effective rate = $(106.09 - 100) \% = 6.09$.

Question 72

In how many different ways can 5 men and 3 women be seated in a row such that no two women are next to each other?

- A 12200
- B 14400
- C 15600
- D 16400
- E None of the above

Answer: B

Explanation:

No two women would be seated next to each other if they sit between men. So, first the men can be arranged in $5!$ ways. There are six spots between the men. Number of ways to arrange the 3 women in those six spots is P_6^3 ways. So, total number of ways = $120 \times 120 = 14400$ ways.

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Question 73

Half the length of the the diagonal of a square measures $5\sqrt{2}$ cm. What is the perimeter of the square?

- A 20 cm
- B 40 cm

C $20\sqrt{2}$ cm

D $40\sqrt{2}$ cm

E 80 cm

Answer: B

Explanation:

The length of the diagonal of the square equals $10\sqrt{2}$ cm. Hence, the length of the side of the square equals 10 cm. So, its perimeter equals 40 cm

Question 74

$$6.42 + 8.98 + 10.33 - 5.34 - 2.79 = ?$$

A 15.40

B 17.60

C 19.80

D 13.20

E None of the above

Answer: B

Explanation:

$$6.42 + 8.98 + 10.33 = 25.73$$

$$5.34 + 2.79 = 8.13$$

$$25.73 - 8.13 = 17.60$$

Question 75

The sum of ages of a husband and wife in 2010 is 48 years. What will be the sum of their ages in 2022?

A 60 years

B 66 years

C 72 years

D 84 years

E Can't be determined

Answer: C

Explanation:

The husband is 12 years older in 2022, and so is the wife. Together they are 24 years older than they were in 2010. So, the correct answer is (c)

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Instructions

Find the next term in the series.

Question 76

442, 378, 346, 330, 322

- A 320
- B 318
- C 310
- D 314
- E 316

Answer: B

Explanation:

In the given series the sum of two consecutive terms are in GP

$$442-378 = 64$$

$$378-346 = 32$$

$$346-330 = 16$$

$$330-322 = 8$$

$$322-x = 4$$

$$x = 318$$

Question 77

20,40,61,84,111

- A 138
- B 146
- C 136
- D 144
- E None of these

Answer: B

Explanation:

$$20 = 19+1$$

$$40 = (19*2)+2$$

$$61 = (19*3)+4$$

$$84 = (19*4)+8$$

$$111 = (19*5)+16$$

$$\text{Next term} = (19*6)+32 = 146$$

Question 78

1,7,17,31,49,71

- A 91
- B 86
- C 97
- D 87
- E None of these

Answer: C

Explanation:

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

$$7 = 2(2)^2 - 1$$
$$17 = 2(3)^2 - 1$$
$$31 = 2(4)^2 - 1$$
$$49 = 2(5)^2 - 1$$
$$71 = 2(6)^2 - 1$$

Next terms $= 2(7)^2 - 1 = 97$

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Question 79

2,4,8,14,22,32

- A 46
- B 40
- C 42
- D 44
- E None of these

Answer: D

Explanation:

$$4 - 2 = 2$$
$$8 - 4 = 4$$
$$14 - 8 = 6$$
$$22 - 14 = 8$$
$$32 - 22 = 10$$

Next term $= 32 + 12 = 44$

Question 80

2,12,36,80,150

- A 252
- B 246
- C 254
- D 244
- E None of these

Answer: A

Explanation:

$$2 = n^3 + n^2$$
$$12 = 2^3 + 2^2$$
$$36 = 3^3 + 3^2$$
$$80 = 4^3 + 4^2$$
$$150 = 5^3 + 5^2$$

Next term $= 6^3 + 6^2 = 252$

Instructions

For the following questions answer them individually

Question 81

$$\sqrt{15376} * \sqrt{1/576} = ?$$

- A $4\frac{1}{6}$
- B $5\frac{5}{6}$
- C $5\frac{1}{6}$
- D $7\frac{1}{6}$
- E None of the above

Answer: C

Explanation:

$$\sqrt{15376} = 124$$

$$\sqrt{1/576} = 1/24$$

So, the expression boils down to $124/24 = 31/6 = 5\frac{1}{6}$

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Question 82

$$78 * 2.5 * 9 * 130 + 5 = ?$$

- A 876545
- B 228155
- C 678955
- D 110965
- E 784575

Answer: B

Explanation:

Given expression can be written as $78 * 25 * 9 * 13 + 5$
 $= 228150 + 5 = 228155$

Question 83

What is the smallest natural number that has to be subtracted from 4100 so as to get a number that is both a perfect square as well as a perfect cube?

- A 4
- B 6
- C 8
- D 10
- E None of the above

Answer: A

Explanation:

The smallest number that is a perfect square as well as a perfect cube is $2^6 = 64$.

$$64^2 = 4096$$

So, $4100 - 4096 = 4$ has to be subtracted from 4100 to get a number that is a perfect square as well as a perfect cube.

Question 84

$$11^2 + 13^2 + 15^2 + 17^2 - 12^2 - 14^2 = ?$$

- A 494
- B 684
- C 224
- D 564
- E None of the above

Answer: E

Explanation:

The given expression can be simplified as:

$$121 + 169 + 225 + 289 - 144 - 196 \\ = 804 - 340 = 464$$

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Question 85

A tap A fills a tank in 30 hours. Another tap B fills the tank in 24 hours. If the taps are opened for one hour each alternately, in how many hours would the tank be full?

- A 10 hours
- B $40/3$ hours
- C $80/3$ hours
- D 20 hours
- E 30 hours

Answer: C

Explanation:

In one hour, A fills $1/30$ th of the tank

In one hour, B fills $1/24$ th of the tank

In two hours, A and B alternately fill $1/30 + 1/24 = 4/120 + 5/120 = 9/120 = 3/40$ th of the tank

Hence, they will take $2/(3/40) = 80/3$ hours to fill the tank.

Question 86

The speeds of a boat downstream and upstream are 18 km/hr and 8 km/hr respectively. What is the speed of the stream?

- A 2 km/hr
- B 3 km/hr
- C 4 km/hr
- D 5 km/hr

E None of these

Answer: D

Explanation:

Let the speed of the boat in still water be 'u'.

Let the speed of the stream be 'v'.

The speed of the boat upstream = $u-v$

The speed of the boat downstream = $u+v$

It is given that,

$$u-v = 8 \text{ and } u+v = 18$$

Solving them we get, $u = 13$ and $v = 5$.

Thus the speed of the stream is 5 km/hr.

Hence the answer to this question is Option D.

Question 87

What is the interest that has to be paid on a sum of Rs 40000 borrowed for 2 years at 5% p.a. compounded annually?

A Rs 4000

B Rs 4100

C Rs 4400

D Rs 44100

E None of the above

Answer: B

Explanation:

$$\text{Amount} = P(1 + R/100)^n$$

Here $P = 40000$, $R = 5$, $n = 2$

$$\text{Amount} = 40000 * (1 + 5/100)^2 = 40000 * 441/400 = 44100$$

$$\text{So, interest} = \text{Amount} - \text{Principal} = 44100 - 40000 = \text{Rs } 4100$$

General Knowledge Questions & Answers (Download pdf)

Question 88

A shopkeeper uses a weight of 960 g instead of 1000 g. What is his gain%?

A 4%

B 6%

C $4\frac{1}{6}\%$

D $61\frac{4}{5}\%$

E None of these

Answer: C

Explanation:

$$\text{Gain\%} = (1000-960)/960 \times 100 = 25/6 = 4\frac{1}{6}\%$$

Question 89

75% of 34% of a number is 125. What is 170% of that number?

- A 816.67
- B 823.67
- C 833.33
- D 843.33
- E None of the above

Answer: C

Explanation:

Let the number be N.

$$75/100 * 34/100 * N = 125 \Rightarrow N = 125 * 100 * 100 / (75 * 34)$$

$$\Rightarrow 170\% \text{ of } N = (170/100) * 125 * 100 * 100 / (75 * 34) = 5 * 125 * 100 / 75 = 5 * 5 * 100 / 3 = 2500 / 3 = 833.33$$

Question 90

If the area of a rectangle is 2 times the perimeter of the square with side 5m and length of the rectangle is 8 m. then what will be the breadth of the rectangle?

- A 4
- B 5
- C 6
- D 7
- E 8

Answer: B

Explanation:

Area of the rectangle will be = 40

Breadth = $40/8 = 5$ m

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Question 91

$$99 * 4/11 * 88 * 3/11 * 77 * 2/11 = ?$$

- A 12096
- B 11094
- C 10096
- D 11096
- E None of the above

Answer: A

Explanation:

The expression can be written as:

$$99 * 4 * 88 * 3 * 77 * 2 / (11 * 11 * 11) = 9 * 4 * 8 * 3 * 7 * 2 = 12096$$

Question 92

If A, B and C completes a work in 5, 7 and 9 days respectively then together in how many days they will complete the work?

- A 315/143 days
- B 30/11 days
- C 50/11 days
- D 20/11 days
- E 40/11 days

Answer: A

Explanation:

In one day, work done by them together will be = $\frac{1}{5} + \frac{1}{7} + \frac{1}{9} = \frac{143}{315}$

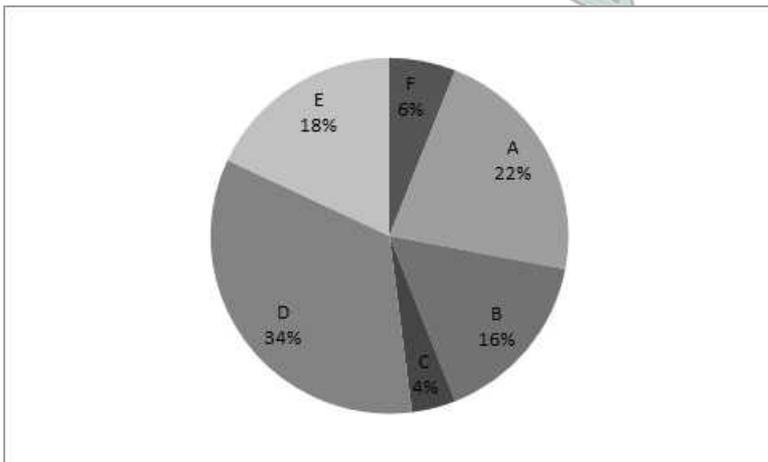
So days taken to complete the unit work = $\frac{315}{143}$ days

Instructions

Instructions: Study the following pie-chart and answer the questions given below:

Preference of students for six beverages A, B, C, D, E and F

Total number of students = 6800



Question 93

What is the difference between the total number of students who prefer beverage A and C together and the total number of students who prefer beverage D and F together?

- A 959
- B 955
- C 952
- D 954
- E None of these

Answer: C

Explanation:

Number of students preferring beverages A and C = $22 + 4 = 26\%$ of 6800 = $\frac{26}{100} \times 6800 = 1768$

Number of students preferring beverages D and F = $34 + 6 = 40\%$ of 6800 = $\frac{40}{100} \times 6800 = 2720$

Difference = 952

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Question 94

What is the ratio of the number of students who prefer beverage F to the number of students who prefer beverage A?

- A 3 : 11
- B 3 : 13
- C 6 : 11
- D 5 : 11
- E None of these

Answer: A

Explanation:

Number of students who prefer beverage F = 6% of 6800 = $\frac{6}{100} \times 6800 = 408$

Number of students who prefer beverage A = 22% of 6800 = $\frac{22}{100} \times 6800 = 1496$

Ratio = 408 : 1496 = 5 : 11

Question 95

The number of students who prefer beverage E and F together is what percent of the total number of students?

- A 18
- B 14
- C 26
- D 24
- E None of these

Answer: D

Explanation:

The number of students preferring beverage E and F together = 18 + 6 = 24%

Question 96

The number of students who prefer beverage C is approximately what percent of the number of students who prefer beverage D?

- A 7
- B 12
- C 18
- D 22
- E 29

Answer: B

Explanation:

Number of students who prefer beverage C = 4% of 6800 = $\frac{4}{100} \times 6800 = 272$

Number of students who prefer beverage D = 34% of 6800 = $\frac{34}{100} \times 6800 = 2312$

Percentage of students who prefer beverage C over D = $11.76 \approx 12$

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Question 97

How many students prefer beverage B and Beverage E together?

- A 2312
- B 2313
- C 2315
- D 2318
- E None of these

Answer: A

Explanation:

Number of students taking beverage B = 16%

Number of students taking beverage E = 18 %

Total = 16 + 18 = 34% of 6800 = $\frac{34}{100} \times 6800 = 2312$

Instructions

For the following questions answer them individually

Question 98

What is the LCM of the following fractions? $\frac{3}{11}, \frac{2}{5}, \frac{1}{9}$

- A 0
- B 1
- C 2
- D 3
- E 6

Answer: E

Explanation:

The LCM of the fractions = LCM of the numerators/ HCF of the denominators

LCM of the numerators = LCM of 3, 2 and 1 = 6

HCF of the denominators = HCF of 11, 5 and 9 = 1

So, the required LCM = $\frac{6}{1} = 6$

Question 99

A 400 meter long train crosses a man who is travelling in opposite direction with a speed of 10 kmph in 4 seconds. Find the speed of the train (in km/h)?

- A 25
- B 26
- C 27

D 28

E 29

Answer: B

Explanation:

$(x+10) \times (4/3600) = 400/1000$ (Where x is speed of the train in kmph)

$x=26$

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Question 100

$$\frac{8948}{4} + \frac{5625}{25} + \frac{48996}{9} = ?$$

A 3906

B 4906

C 5906

D 6906

E 7906

Answer: E

Explanation:

$$8948/4 = 2237$$

$$5625/25 = 225$$

$$48996/9 = 5444$$

So, the answer is $2237+225+5444 = 7906$

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