

The answers along with explanations are given at the end of the question paper

Section: English Language

Directions(1-10):

Read the following passage carefully and answer the questions given below it. Certain words/ Phrases have been printed in bold to help you locate them while answering some of the questions.

The onset of the winter season has come to be associated with toxic atmospheric pollution in north India. This year will be a crucial test for a scheme **piloted** by the Union government to address the winter haze. While road dust and pollution from heavy vehicles are primarily responsible for the noxious pall that sets on Delhi and other urban centres, the burning of paddy stubble by farmers to clear their fields for the next crop is considered to be responsible for 20% of the smog. To address this, and under directions from the Supreme Court-constituted Environment Pollution (Prevention and Control) Authority, or EPCA, the Centre is partnering with Punjab, Haryana and Uttar Pradesh to provide farmers with a range of mechanised implements to clear their fields of paddy crop residue to prepare for sowing wheat. There is a 50% subsidy to farmers, and a 75% waiver to cooperative societies, agencies that rent out equipment, farmers' interest groups or gram panchayats to buy such machines. States have got nearly ₹650 crore to help farmers buy subsidised equipment such as Happy Seeder, paddy straw choppers and Zero Till Drill. Punjab, which of the three States has the largest acreage under paddy, has a target of procuring 24,315 machines by October 15. A task force, headed by the Principal Secretary to the Prime Minister and comprising Environment Ministry officials and Chief Secretaries of these States, have been meeting since January to prepare for the winter.

Reports, however, suggest that many farmers, particularly those with land holdings of less than 5 acres, remain **sceptical** of the efficiency of these machines. Among their concerns is whether these machines will affect productivity. Many have told officials that they are worried there could be damage to the soil. Therefore, just making technological tools available may not be enough; there needs to be proactive engagement to both **persuade** and reassure farmers. Ironically, it was technology that contributed to the problem in the first place. The rising cost of labour nudged farmers to adopt mechanised equipment that, while efficient, left behind much longer stalks of paddy than what the traditional practice of removing them by hand did. The greater availability of machines and the zero-tolerance policy need to be seen as works in progress to derive lessons on how to refine the crop-clearing process in an ecologically sound manner. There must also be a sense of proportion, as 80% of the atmospheric pollution in Delhi in winter draws from sources other than burning stubble. Given Delhi's geography, low wind speeds and a **spike** in local pollution (from vehicles, biomass burning, firecrackers, etc.) raise the particulate matter count dramatically during winter. To be effective, the fight against pollution must necessarily be broad-based.

Question No. 1

Which of the following statements stand true according to the passage?

- I. Winter season recently has been identified as accompanying poisonous atmospheric pollution in North India.
- II. The Government is working towards addressing the pollution issue.
- III. Discussions have been taking place since January to deal with the upcoming winter.

Options :

1. Only I
2. Both I and II
3. Only II
4. Both II and III
5. All I,II and III

Question No. 2

Why are the farmers probably hesitant in using the machines being provided to them?

Options :

1. Many of the farmers have less than 5 acres of land.
2. The farmers feel the machines may affect the soil.
3. They feel the yield might get affected.
4. Both 2 and 3
5. All of these

Question No. 3

Choose the word which is most opposite in meaning to the word spike as used in the passage.

Options :

1. Fasten
2. Prick
3. Allow
4. Fix
5. Fall

Question No. 4

Choose the word which is most similar in meaning to the word piloted as used in the passage.

Options :

1. Overseen
2. Autonomous
3. Free
4. Derailed
5. Improved

Question No. 5

Choose the word which is most similar in meaning to the word persuade as used in the passage.

Options :

1. Prevent
2. Discourage
3. Acknowledge
4. Convince
5. Retaliate

Question No. 6

Choose the word which is most opposite in meaning to the word sceptical as used in the passage.

Options :

1. Believing
2. Doubt
3. Uncertainty
4. Robust
5. Manageable

Question No. 7

Technology though coming for help at the moment, but was one of the main reasons of the rise of this problem which is affecting the farmers'.

According to the passage, this statement is -

Options :

1. Definitely True
2. Probably True
3. Definitely False
4. Probably False
5. Can not be determined

Question No. 8

Which of the following factors have been mainly responsible for the rising pollution levels?

Options :

1. Dust coming out from the roads all over.
2. The increasing number of automobiles on the roads.
3. Burning of the remaining paddy stalks.
4. All of these
5. None of these

Question No. 9

What contributes to the abnormally high levels of particulate matter in Delhi at the onset of winters?

Options :

1. Particularly low speed of the winds.
2. Rise in the number of vehicles and use of firecrackers in festive season.
3. Smoke coming out from the burning of biomass.
4. All of these
5. None of these

Question No. 10

What persuaded the farmers into using the machines in the first place ?

Options :

1. They saw the demonstration and were quite convinced.
2. The efficiency of the machines was much more than manual labour.
3. Machines could save most of the farmers' time.
4. The cost that the farmers had to pay for the labour were increasing.
5. None of these

Directions (11-15):

In each question, the word at the top is used in five different ways, numbered to (A) to (E), Choose the option in which the usage of word is CORRECT or APPROPRIATE.

Question No. 11

Break

Options :

1. But the break away between Tolmino and Caporetto had made these positions untenable.
2. With the exception of another couple of greatest hits compilations, the constant quarrels between band members prompted a break off, which lasted until 1994
3. She needed to break through her daily routine and do something exciting.
4. The court pointed out that even a game of hopscotch could suddenly break into a fight resulting in serious injury.
5. Uncertain what else to do aside from have a mental breakup, Rekha accepted the tea.

Question No. 12

Come

Options :

1. In the event the anticipated collapse of the first genetic engineering company amid a pile of bad debts did not come before.
2. A lack of ascorbic acid leads to a failure to maintain collagen, and the body can actually come about.
3. And archivists seem to have come around to recognizing his leadership qualities.
4. Among the ranges of snowy peaks you suddenly come up with a marvellous, vast pastureland.
5. In the air transport business, safety must always come across profit.

Question No. 13

Take

Options :

1. My grandmother was always a worrier and I take back her.
2. They are not always willing to take to untrained workers, but there's no harm in asking.
3. He proceeds to take in every preconception anyone might have ever had about him.
4. I tried to take after what he was saying about nuclear fusion, but most of it went over my head.
5. I'm so pleased that I've been able to take off all that weight and get into my good clothes again!

Question No. 14

Run

Options :

1. The performing group began well, but seemed to run away of steam halfway through the year.
2. Once successful, he will run around and not allow you to get hold of his prize
3. But many attempts to link doctrine and economics have run into exceptions and better explanations.
4. The pilot told the control tower that he'd run up technical trouble.
5. To reach the farmhouse the soldiers had to break cover and run out of a field.

Question No. 15

Get

Options :

1. We can get over with four computers at the moment, but we'll need a couple more when the new staff arrives.
2. Researchers are trying to get away the same information through an indirect route.
3. Get on with your rubbers, we have to go out in the rains.
4. Even his lawyer can't get rid of the fact that he knew he was lying.
5. Everywhere there is water- to play on, to get about on, to work on.

Directions(16-20):

A sentence is divided into five parts (1), (A), (B), (C), (D). There is an error in the parts (A), (B), (C) and (D) which makes the sentence grammatically or contextually incorrect. Choose the option with parts containing error and ignore the errors of punctuation, if any.

Please note that the sentence marked as (1) in bold will be correct and an error if any of the parts will only be in two parts.

Question No. 16

The poor (1) are getting effected (A) disproportionately with respect to (B)/ their limited contribution on (C)/ a rise in global temperature (D).

Options :

1. BD
2. CD
3. AB
4. AC
5. No Error

Question No. 17

The next ten years (1) did prove to be critical (A)/ in terms of human responses (B)/ across all economic sectors and countries (C)/ to mitigating climate change (D).

Options :

1. AC
2. AD
3. BC
4. BD
5. No Error

Question No. 18

The Supreme Court's observations (1) ,/ while denying bail to defence analyst Abhijit Iyer-Mitra, (A)/ to the effect that he incites religious feelings (B)/ in a video posted on social media, (C)/ was out of place in what was a bail hearing (D).

Options :

1. AC
2. AD
3. BC
4. BD
5. No Error

Question No. 19

In a mature democracy (1),/ the casual resort to (A)/ criminal prosecution to perceived (B)/ insults to either a religion or a class (C)/ of society ought to be active discouraged (D).

Options :

1. AD
2. BD
3. BC
4. CD
5. No Error

Question No. 20

Along with the celebrations, (1) / this statistic gives reason for (A)/ the community of scientists to (B)/ introspect over what makes an enabling environment (C)/ for women to practise science in (D).

Options :

1. AD
2. BD
3. BC
4. CD
5. No Error

Directions (21-25):

Rearrange the following six sentences A, B, C, D,E and F in the proper sequence to form a meaningful/coherent paragraph and answer the questions that follow.

- A. Many of the national parks and sanctuaries are reopened post-monsoon for tourists.
- B. This included major initiatives towards building a global solar alliance and the elimination of single-use plastic by 2022.
- C. The 'wild' becomes accessible once again.
- D. October is a busy month for nature enthusiasts.
- E. The United Nations recently announced the 'Champions of the Earth Award' jointly to French President Emmanuel Macron and the Prime Minister of India Narendra Modi for their bold environmental leadership on the global stage.
- F. It is also the time when the world rejoices in celebrating the environment.

Question No. 21

Which of the following will be the THIRD statement after the rearrangement?

Options :

1. C
2. D
3. E
4. A
5. F

Question No. 22

Which of the following will be the FOURTH statement after the rearrangement?

Options :

1. A
2. D
3. B
4. F
5. E

Question No. 23

Which of the following will be the SECOND statement after the rearrangement?

Options :

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

Question No. 24

Which of the following will be the SIXTH (LAST) statement after the rearrangement?

Options :

1. D
2. B
3. A
4. F
5. E

Question No. 25

Which of the following will be the FIFTH statement after the rearrangement?

Options :

1. D
2. A
3. C
4. F
5. E

Directions(26-35):

In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete.

A recent NITI Aayog-led report, Transforming India's Mobility, rightly__(51)__for focused policy attention on creating efficient, seamless and convenient public transport to __(52)__ rising pollution and congestion in urban areas. The way __(53)__ is to make public transport attractive for urban India, by holistic design of habitats and transport, intensive and extensive use of data and information technology, better __(54)__ public private partnership agreements, greater allocation of resources and a combination of top-down __(55)__ of knowledge and know-how and decentralisation of decision-making. The report __(56)__ that India's transport demand has grown by almost eight times since 1980, more than elsewhere in Asia. And, in fast urbanising India, transport demand is bound to __(57)__ speed going forward.

Hence the pressing need to plan ahead to better __(58)__ resources on the ground to provide modern, dependable and holistic public transport. The policy __(59)__ needs to be the provision of transport solutions that are clean, convenient and congestion-free. We need Intelligent Transport Systems in the dense urban centres, complete with on-board sensors and road-level detectors, to better __(60)__and manage traffic in real time. Demand-side measures like smartphone apps would help.

Question No. 26

Find the appropriate word.

Options :

1. Calls
2. Ask
3. Gave
4. Expect
5. Seek

Question No. 27

Find the appropriate word.

Options :

1. Ensure
2. Tackle
3. React
4. Accept
5. Try

Question No. 28

Find the appropriate word.

Options :

1. Through
2. Across
3. Forward
4. Passed
5. Manage

Question No. 29

Find the appropriate word.

Options :

1. Form
2. Disclose
3. Arrange
4. Designed
5. Intend

Question No. 30

Find the appropriate word.

Options :

1. Distribute
2. Disburse
3. Disperse
4. Dissemination
5. Derailing

Question No. 31

Find the appropriate word.

Options :

1. Knows
2. Relate
3. Show
4. Notice
5. Reveals

Question No. 32

Find the appropriate word.

Options :

1. Gather
2. Separate
3. Scattering
4. Remove
5. Announce

Question No. 33

Find the appropriate word.

Options :

1. Coagulate
2. Divide
3. Result
4. Receive
5. Extending

Question No. 34

Find the appropriate word.

Options :

1. Mark
2. Objective
3. Planned
4. Record
5. Views

Question No. 35

Find the appropriate word.

Options :

1. Neglect
2. Tracking
3. Ignore
4. Monitor
5. Nullify

Directions(36-40):

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

The Road Accidents in India report of the Ministry of Road Transport and Highways for 2017 comes as a disappointment. By **reiterating** poorly performing policies and programmes, it has failed to signal the quantum shift necessary to reduce death and disability on the roads. It expresses concern at the large number of people who die every year and the thousands who are crippled in accidents, but the remedies it highlights are weak, **incremental** and unlikely to bring about a transformation. The lack of progress in reducing traffic injuries is **glaring**, given that the Supreme Court is seized of the issue and has been issuing periodic directions in a public interest petition with the assistance of the Justice K.S. Radhakrishnan Committee constituted by the Centre. Little has been done to fulfil what the Road Transport Ministry promises: that the Centre and the States will work to improve safety as a joint responsibility, although enforcement of rules is a State issue. That nothing much has changed is reflected by the death of 1,47,913 people in accidents in 2017. To claim a 1.9% reduction over the previous year is statistically insignificant, more so when the data on the rate of people who die per 100 accidents show no decline. Even more shocking is the finding that green commuters — cyclists/pedestrians — now face greater danger on India's roads, with a rise in fatalities for these categories of users of 37% and 29% over 2016, respectively.

Road safety data is a **contested** area in India. The figures of death and injury from accidents are viewed as an underestimate by scholars; the Transportation Research and Injury Prevention Programme at IIT Delhi, for instance, estimates that cumulatively, road traffic injuries recorded by the police are underestimated by a factor of 20, and those that need hospitalisation by a factor of four. If this is correct, the number of people who suffered injuries in 2017 far exceeds the 4,70,975 reported by the Ministry. It is welcome that greater attention is being paid to the design and safety standards of vehicles, but such professionalism should extend to public infrastructure: the design of roads, their quality and maintenance, and the safety of public transport, among others. The Centre has watered down the national bus body standards code in spite of a commitment given to the Supreme Court, by requiring only self-certification by the builders. Relaxing this long-delayed safety feature endangers thousands of passengers. There is little chance of the NDA government, now in the last year of its tenure, making a paradigm shift. Valuable time has been lost in creating institutions for road safety with a legal mandate, starting with an effective national agency. The Road Safety Councils at the all-India and State levels have simply not been able to change the dismal record, and the police forces lack the training and motivation for professional enforcement. The urgent need is to fix accountability in government.

Question No. 36

Why does the 'The Road Accidents in India' report come as a disappointment?

Options :

1. It misses some of the important points that should have been highlighted.
2. It does not give a clear picture of the current situation in the country.
3. Although it shows concern for the people dying in accidents, but fails to give any proper, worthwhile solutions.
4. All of these
5. None of these

Question No. 37

Which of the following statements is incorrect, as per the information given in the passage?

Options :

1. The Road Accidents in India Report failed to indicate towards the necessity of making a change in order to reduce such frequent accidents.
2. Ensuring that the rules are enforced properly is the responsibility of the State.
3. The rate of accidents has deteriorated drastically since 2017.
4. All of these
5. None of these

Question No. 38

Choose the option which is most opposite in meaning to the word incremental as used in the passage.

Options :

1. Reducible
2. Increasing
3. Additional
4. Surprising
5. Engaging

Question No. 39

Choose the option which is most similar in meaning to the word reiterating as used in the passage.

Options :

1. Cover
2. Enhance
3. Restate
4. Remove
5. Eliminate

Question No. 40

Choose the option which is most opposite in meaning to the word glaring as used in the passage.

Options :

1. Unnoticeable
2. Bright
3. Exposed
4. Restrict
5. Bound

Directions (41-45):

In the following sentences, there are two blanks. Find out the appropriate words for filling up the blanks which make the sentences meaningfully complete.

Question No. 41

One of the most important _____ is installing the early warning system that can _____ air quality levels two days in advance.

Options :

1. Actions, seek
2. Measures, predict
3. Measures, conceal
4. Step, predict
5. None of these

Question No. 42

AIR safety is _____ being imperiled by the _____ of pilots or crew, or even ground staff.

Options :

1. Fairly, safety
2. Carefully, disregard
3. Increasingly, recklessness
4. Majorly, carefully
5. None of these

Question No. 43

The initiative is _____ of the department's acknowledgement of the poor state of affairs and its _____ to set things in order in multifarious ways.

Options :

1. Vindictive,try
2. Indicating,effort
3. Indicative,cover
4. Indicative,attempt
5. None of these

Question No. 44

Information collected _____ the evaluation process is essential in _____ particular parameters that need to be dealt with in each school.

Options :

1. During,identifying
2. Within,mark
3. Among,identifying
4. During,realize
5. None of these

Question No. 45

Without specific statistics, _____ reasons are given for lapses and remedial action remains _____.

Options :

1. Definite,confused
2. Vague,easy
3. Vague,ambiguous
4. Apparently,certain
5. None of these

Directions (46-50):

In the following questions, the sentence is split into five parts named, A, B, C, D and E. These five parts are not given in their proper order. Read the parts, arrange them properly and find out which of the combinations given below is appropriate, and mark it as your answer.

Question No. 46

- A. good student-teacher ratio,
- B. which is intricately connected to
- C. if the ecosystem boasts of a
- D. fair recruitments and transparent transfers.
- E. Quality education can be imparted

Options :

- 1. DABCE
- 2. ECABD
- 3. AECBD
- 4. CDABE
- 5. BACDE

Question No. 47

- A. include the decently-educated and
- B. from the containerised cauldron of disaffected,
- C. The spillover of Kashmir's militancy
- D. urbane youth may be slowly taking place.
- E. barely-literate students to

Options :

- 1. ACBDE
- 2. DECBA
- 3. CBEAD
- 4. BECAD
- 5. EBCDA

Question No. 48

- A. and real estate companies by directing the police
- B. very strong signal to all unscrupulous property developers
- C. into its custody immediately
- D. The Supreme Court has sent a
- E. to take three directors of the controversial Amrapali Group

Options :

- 1. CBDEA
- 2. ABDCE
- 3. CBDAE
- 4. DBAEC
- 5. ABCDE

Question No. 49

- A. real estate comes naturally to
- B. of the stock market.
- C. Making investment in the
- D. most Indians because they are not attuned to
- E. the complexities and unpredictability

Options :

- 1. CADEB
- 2. DECBA
- 3. BECDA
- 4. ABCDE
- 5. EACBD

Question No. 50

- A. quells the atmosphere of fear and hate
- B. earning their livelihood in Gujarat
- C. and woos back the workers, who have done
- D. no wrong and are rightfully
- E. It is imperative that the state government

Options :

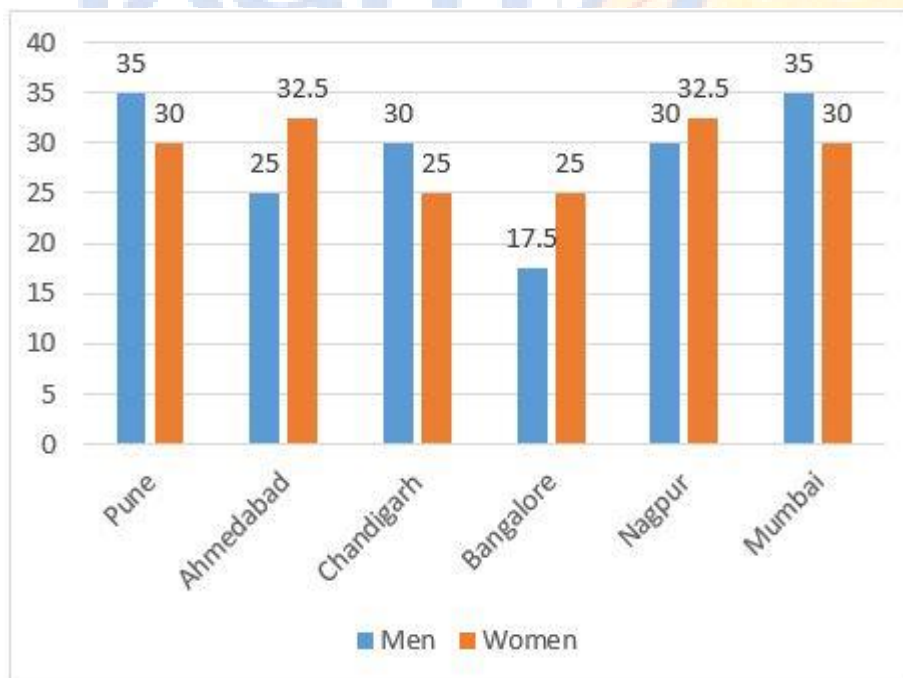
- 1. AEBDC
- 2. BCDEA
- 3. EACDB
- 4. EDCBA
- 5. ABCDE

Section: Quantitative Aptitude

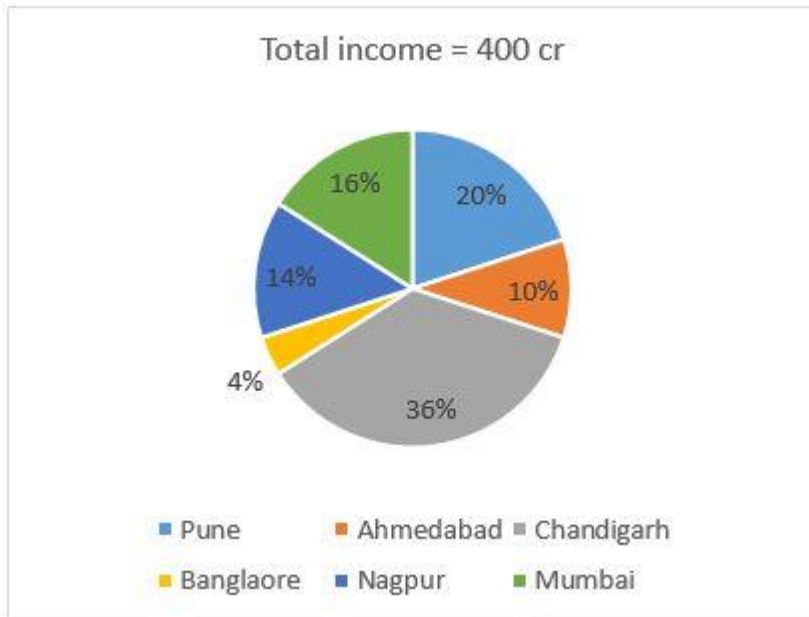
Directions(51-55):

Study the bar-chart and pie-chart carefully to answer the given questions.

Working women and men population (in lakhs) in different cities:



Percentage income of the people among different cities:



Question No. 51

Find the difference between the number of working women in Ahmedabad and the number of working men in Bangalore.

Options :

1. 9 lakh
2. 12 lakh
3. 15 lakh
4. 11 lakh
5. None of these

Question No. 52

Which of the following city has the minimum income per working person?

Options :

1. Chandigarh
2. Bangalore
3. Nagpur
4. Pune
5. Ahmedabad

Question No. 53

Find the total of the average of working men and average of working women population of all the cities? (approximate)

Options :

1. Rs 35.51 lakh
2. Rs 57.91 lakh
3. Rs 43.11 lakh
4. Rs 63.25 lakh
5. None of these

Question No. 54

Find the difference between the income of men and women in Chandigarh? (Assume each person (men/women) has equal income.)

Options :

1. Rs. 26.18 cr
2. Rs.3.09 cr
3. Rs.13.09 cr
4. Rs.261.8 cr
5. None of these

Question No. 55

Number of working women in Pune is what percent of the number of working men in Ahmedabad?

Options :

1. 75%
2. 105%
3. 80%
4. 120%
5. None of these

Question No. 56

A, B and C can do a piece of work in 6, 12 and 18 days respectively. They all started work together and after 2 days A left. B left 3 days before the completion of work. In how many days total work be completed?

Options :

1. 6.6 days
2. 5.6 days
3. 10.2 days
4. 7.2 days
5. None of these

Question No. 57

A farmer wants to divide Rs 1,48,840 between his daughters, who are 16 and 18 years old respectively, in such a way that the sum divided at the rate of 20% per annum, compounded annually, will give the same amount to each of them when they attain the age of 20 years. How should he divide the sum?

Options :

1. Rs 62000 and Rs 86840
2. Rs 63000 and Rs 85840
3. Rs 61000 and Rs 87840
4. Rs 64000 and Rs 84840
5. None of these

Question No. 58

A solution contains 80L of pure milk. 20% of his this is taken out. Another 20% of the remaining solution is taken out and finally 20% of the contents left is taken out. The total content taken out replaced with water. Find the ratio of milk to water in the final solution.

Options :

1. 51:54
2. 31:33
3. 41:42
4. 61:64
5. None of these

Question No. 59

Two Persons attend an job interview for two posts. The probability of first person selection is $(1/3)$ and the probability of second person selection is $(1/5)$. Find the probability that only one of them is selected.

Options :

1. $3/5$
2. $2/5$
3. $1/5$
4. $4/5$
5. None of these

Question No. 60

The speed of a boat in still water is 12 km/hr. It can go 24 km upstream and return downstream to the original point in 4 hrs 30 min. The speed of the stream is:

Options :

1. 4 km/hr
2. 8 km/hr
3. 2 km/hr
4. 16 km/hr
5. None of these

Question No. 61

A circular grass lawn of 42 metres in radius has a path 14 metres wide running around it on the outside. Find the area of the path.

Options :

1. 4312 m²
2. 2310 m²
3. 1078 m²
4. 2618 m²
5. None of these

Question No. 62

The average weight of 3 men - A, B, and C is 84 kg. Another man D joins the group and the average now becomes 80 kg. If another man E, whose weight is 3 kg more than that of D, replaces A, then the average weight of B, C, D, and E becomes 79 kg. The weight of A is:

Options :

1. 71 kg
2. 74 kg
3. 75 kg
4. 78 kg
5. None of these

Question No. 63

The monthly salary of Teena and Tanya together is Rs.61920. The salary of Teena and Tanya is increased by 30% and 15% respectively then the new salary of Tanya becomes 110% of the new salary of Teena. What is the new salary of Teena?

Options :

1. Rs. 38000
2. Rs. 35880
3. Rs. 33470
4. Rs. 32568
5. None of these

Question No. 64

A salesman's terms were changed from a flat commission of 6% on all his sales to a fixed salary of Rs. 2000 plus 3% commission on all sales exceeding Rs. 9000. If his remuneration as per the new scheme was Rs. 1400 more than by the first scheme, what were his sales worth?

Options :

1. Rs. 4000
2. Rs. 6000
3. Rs. 8000
4. Rs. 11000
5. None of these

Question No. 65

Ayush purchased a piano for Rs. 48000. He sold it at a loss of 10%. With that money he purchased another piano and sold it at a profit of 11%. What so his overall loss/profit?

Options :

1. 75 profit
2. 52 profit
3. 48 loss
4. 26 loss
5. None of these

Directions (66-70):

In each of the following questions, a question is followed by information given in three statements. You have to study the question along with the statement and decide the information given in which of the statements is necessary to answer the question.

Question No. 66

What was the percentage of discount offered?

- I. Profit earned by selling the article for Rs. 648 after giving discount was Rs. 48.
- II. Had there been no discount the profit earned would have been Rs. 120
- III. Had there been no discount the profit earned would have been 20%.

Options :

1. I and II only
2. II and either I or III only
3. I and III only
4. I and either II or III only
5. None of these

Question No. 67

In an examination some students appeared for the examination. How many students cleared the exam?

- I. 12% of the students failed in the exams.
- II. The difference between the students who cleared the exam and failed in exam is 380.
- III. The ratio of the boys and girls who appeared for the examination is 2 : 3.

Options :

1. I and II together or I and III together
2. Only I and III together
3. Only I and II together
4. I and II together or only III alone
5. None of these

Question No. 68

What will be the share of Rohan in the profit earned by Vyom, Rohan and Ankit together?

- I. They together invested an amount of Rs. 87,000 for a period of 1 year.
- II. Rohan's investment was 30% less than Vyom's and 40% more than Ankit's.
- III. The profit of Vyom is 9000 more than that of Ankit.

Options :

1. I and II together
2. Only II
3. II and either I or III only
4. II and III together
5. None of the Above

Question No. 69

Mayank, Kamayani, Neelam, Ashish and Reena are five friends. The mean of their age is 18. Find the age of Neelam.

- I. Mayank's age is 16.
- II. Kamayani's age is 2 years less than Reena and Reena's age is 4 years less than Ashish. III : Ashish's age is 4 years more than Kamayani's age and 4 years more than Reena's age.

Options :

1. Only III
2. Neither I and II nor III
3. Only I and III
4. None of the statements
5. Either I and III or II alone

Question No. 70

Find the distance between Haridwar and Chamba?

I. Rekha and Tanu started simultaneously from Haridwar to Chamba, with their speeds in the ratio 9:7.

II. Tanu reached Haridwar four hours earlier than Rekha to reach Tanu.

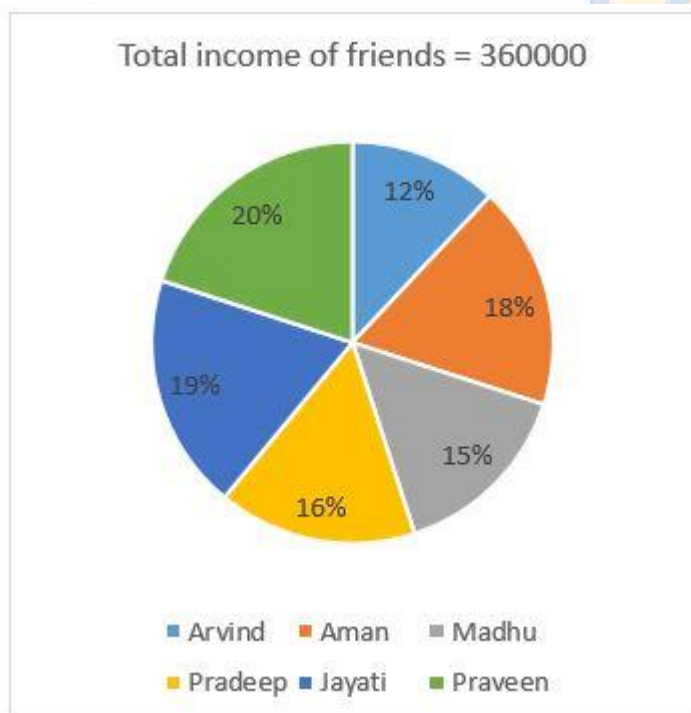
III. The difference between speeds of Rekha and Tanu is 20 km/hr.

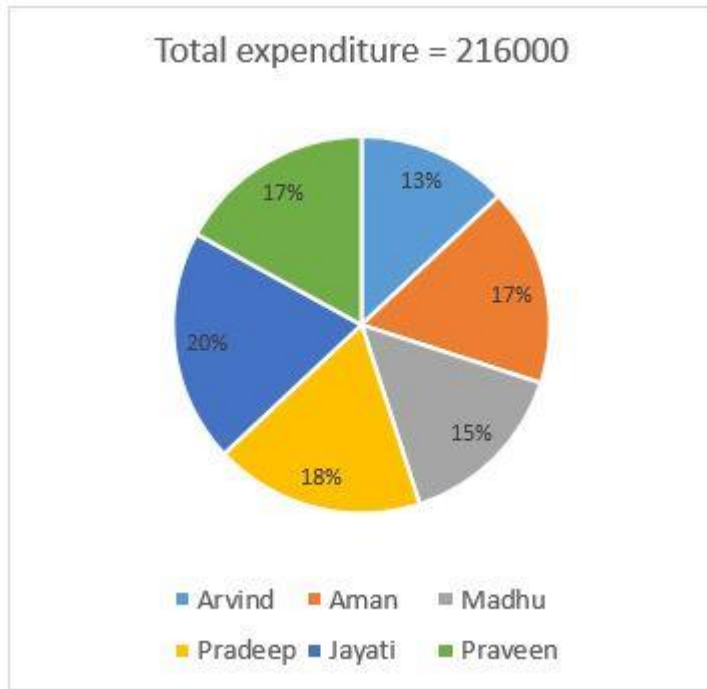
Options :

1. I and III only
2. II and III only
3. I and II only
4. All I, II and III together
5. Data inadequate

Directions(71-75):

Study the following pie-charts carefully and answer the questions given below:





Question No. 71

Find the difference between the income of Jayati and the expenditure of Madhu.

Options :

1. 24000
2. 48000
3. 12000
4. 36000
5. None of these

Question No. 72

Find the ratio of total income of Madhu and Praveen together and the total expenditure of Pradeep and Jayati together.

Options :

1. 121:114
2. 135:173
3. 123:165
4. 175:114
5. None of these

Question No. 73

What is the total amount of savings of Praveen and Aman?

Options :

1. 53460
2. 63360
3. 44630
4. 72360
5. None of these

Question No. 74

What is the average income of Madhu, Arvind and Aman?

Options :

1. 54000
2. 36000
3. 42000
4. 48000
5. None of these

Question No. 75

If the income of Jayati is increased by 10% and the expenditure increased by 5%. What is her savings?

Options :

1. 44460
2. 16240
3. 29880
4. 32680
5. None of these

Directions (76-80):

Each question contains statement followed Quantity I and Quantity II. Find the relationship between both the quantities.

Question No. 76

Renuka spends 23% of her salary in EMI, 33% on food, 19% on children's education and 16% on health. She deposits the remaining amount of Rs. 5040 in bank.

Quantity I: Difference between her savings and the amount spend on food and EMI together. Quantity II: Amount spend on children's education and health together.

Options :

1. Quantity I > Quantity II
2. Quantity I < Quantity II
3. Quantity I \geq Quantity II
4. Quantity I \leq Quantity II
5. Quantity I = Quantity II or relation cannot be established

Question No. 77

A shopkeeper sold two grinders for Rs. 3000. He gained 20% in total.

Quantity I: selling price, if profit % on grinder 1 is 10%.

Quantity II: Cost price, if profit % on grinder 2 is 25%.

Options :

1. Quantity I > Quantity II
2. Quantity I < Quantity II
3. Quantity I \geq Quantity II
4. Quantity I \leq Quantity II
5. Quantity I = Quantity II or relation cannot be established

Question No. 78

Quantity I: Number of boys to assist 1 men and 2 women so as to complete the work in 2 days, if A man, a women and a boy can complete a piece of work in 6 days 9 days and 18 days respectively.

Quantity II: Number of boys to assist 2 men and 2 women so as to complete the work in 1/2days, if A man, a women and a boy can complete a piece of work in 3 days 4 days and 12 days respectively.

Options :

1. Quantity I < Quantity II

2. Quantity I > Quantity II
3. Quantity I \geq Quantity II
4. Quantity I \leq Quantity II
5. Quantity I = Quantity II or relation cannot be established

Question No. 79

Quantity I: After how much time will both trains meet each other if they started at same time? If Train 1 and Train 2 start towards each other from Gaziabad to Gurugram. Train 1 & Train 2 takes 7hrs & 8rs respectively to reach their destination.

Quantity II: After how much time both trains meet each other if the distance between them is 455km.

Given that two trains are running at speed of 60 km/hr & 70km/hr in opposite directions.

Options :

1. Quantity I < Quantity II
2. Quantity I > Quantity II
3. Quantity I \geq Quantity II
4. Quantity I \leq Quantity II
5. Quantity I = Quantity II or relation cannot be established

Question No. 80

Quantity I: $(5\sqrt{6} + \sqrt{6}) \times (4\sqrt{6} + 8\sqrt{6}) - 182$

Quantity II: $(\sqrt{9025} \times 51) + 8543 = ?2 + 1127 + 4865$

Options :

1. Quantity I > Quantity II
2. Quantity I < Quantity II
3. Quantity I \geq Quantity II
4. Quantity I \leq Quantity II
5. Quantity I = Quantity II or relation cannot be established

Directions (81-85):

What should come in place of the question mark (?) in the following number series?

Question No. 81

97, 99, 108, 136, 201, ?

Options :

1. 327
2. 284
3. 378
4. 582
5. None of these

Question No. 82

84, 84, 91, 117, 180, ?

Options :

1. 267
2. 304
3. 248
4. 281
5. None of these

Question No. 83

28, 52, 100, 172, 268, ?

Options :

1. 388
2. 420
3. 376
4. 410
5. None of these

Question No. 84

521, 494, 440, 359, 251, ?

Options :

1. 118
2. 125
3. 140
4. 116
5. None of these

Question No. 85

45, 22, 21, 30, 58, ?

Options :

1. 105
2. 127.5
3. 142.5
4. 165
5. None of these

Question No. 86

A room 16 m long, 12 m broad and 8m high has 2 windows of $(\frac{5}{2})$ m and 1m and a door of $2\text{m} \times \frac{7}{2}$ m. Find the cost of papering the walls with paper 80cm wide at the rate of 1.50 paise per metre?

Options :

1. Rs 1007.75
2. Rs 817.5
3. Rs 607.25
4. Rs 735.55
5. None of these

Question No. 87

There are two persons Mrigank and Mehul. Mrigank supplies whole of the capital amounting to Rs. 55000 with the condition that the profits are to be equally distributed and that Mehul pays Mrigank interest on half of the capital at 10% per annum, but receives, Rs. 125 per month for carrying on the concern. What is their total yearly profit, when Mehul's income is $\frac{1}{2}$ of Mrigank's income?

Options :

1. Rs 22,240
2. Rs 14,650
3. Rs 11,100
4. Rs 20,400
5. None of these

Question No. 88

A fruit seller buy some mangoes by selling 50% of total mangoes he got a profit of equal to 50% of his overall cost and 80% of remaining mangoes he sells at a profit at $\frac{1}{4}$ of his previous profit, if he throw rest of the mangoes due to spoilage then find out his overall profit percent?

Options :

1. 40%
2. 50%
3. 25%
4. 20%
5. None of these

Question No. 89

18 years ago the average age of a family of four members was 45 years. Two children were born in that span of 18 years. The present average age of the family remained unchanged. Among the two children who were born in between the 18 years, if the older child at present is 12 years more than the younger one, what is the respective ratio between the present age of the older child and the present age of the younger child?

Options :

1. 1:3
2. 5:1
3. 4:1
4. 3:2
5. None of these

Question No. 90

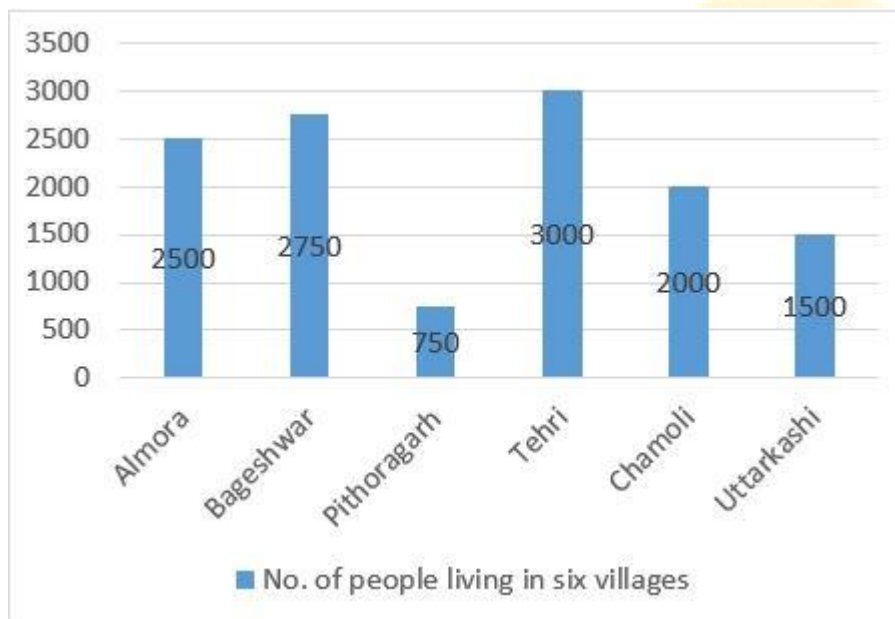
A man riding a bike with front and back wheel circumference of 50 inches and 80 inches respectively. If the man rides the bike on a straight road without slippage, how many inches will the man have travelled when the front wheel has made 15 revolutions more than the back wheel?

Options :

1. 1,500 inches
2. 2,500 inches
3. 2,000 inches
4. 750 inches
5. None of these

Directions (91-95):

Study the following and answer the following questions:



| Villages | Literate: Illiterate | % of female |
|-------------|-------------------------|-------------|
| Almora | 1:3 | 39 |
| Bageshwar | 4:1 | 70 |
| Pithoragarh | 2:3 | 52 |
| Tehri | 11:19 | 75 |
| Chamoli | 11:9 | 65 |
| Uttarkashi | 13:2 | 45 |

Question No. 91

If 20% of the male from Chamoli is literate, then approximately what is the percentage of female, who is illiterate from Chamoli?

Options :

1. 26%
2. 17%
3. 13%
4. 21%
5. None of these

Question No. 92

What is the percent of illiterate people in all villages together.

Options :

1. 26%
2. 16%
3. 34%
4. 47%
5. None of these

Question No. 93

Find the ratio between numbers of illiterate people from Chamoli, Uttarkashi and Bageshwar to number of female from Pithoragarh, Almora and Tehri.

Options :

1. 210:427
2. 300:217
3. 330:527
4. 110:327
5. None of these

Question No. 94

If 3% of male from Bageshwar & 5% of male from Almora are literate then find the total number of literate female from Bageshwar and Tehri together?

Options :

1. 1236
2. 1532
3. 1623
4. Cannot be determined
5. None of these

Question No. 95

The number of male from Madhu and Arvind is how much percentage more or less than number of male from Aman and Jayati?

Options :

1. 25%
2. 15%
3. 20%
4. 10%
5. None of these

Question No. 96

At present Ram age is 2.5 Sita's age and $\frac{1}{3}$ rd of Laxman's age. After 4 years Ram will be 2 times Sita's age. What is Ram's present age?

Options :

1. 24 years
2. 25 years
3. 20 years
4. 22 years
5. none of these

Question No. 97

The difference between the simple interest received from two different sources on Rs.85000 for 4 years is Rs. 10200. What is the difference between their rates of interest?

Options :

1. 2
2. 1.5
3. 2.5
4. 3
5. None of these

Question No. 98

In a table there are one mouse, five pens and two watches. In how many different ways can the accessories be arranged so that the watches are not kept together?

Options :

1. 26610
2. 30240
3. 27280
4. 29160
5. None of these

Question No. 99

If a man drives his car at the rate of 50 kmph, he misses the flight by 7 minutes. However, if he drives at the rate of 60 kmph, he reaches the airport 5 minutes before the departure of the flight. Find the distance covered by him to reach the airport?

Options :

1. 40 km
2. 60 km
3. 50 km
4. 70 km
5. 80 km

Directions:

Study the following charts and answer the questions that follow:

| Person | No. of days they worked | Percentage of work done to complete the project |
|--------|-------------------------|---|
| P | 10 | 25% |
| Q | 5 | 20% |
| R | 15 | 20% |
| S | 12 | 25% |
| T | 9 | 10% |

Question No. 100

P and Q started doing the work. After 8 days they both left, and R joined the work. He completed his part of work. Now the remaining work was completed by G in 14 days. In how many days can G complete whole work?

Options :

1. 30 days
2. 50 days
3. 60 days
4. 45 days
5. None of these

Section: General Awareness

Question No. 101

62nd National Shooting Championship was held in which city?

Options :

1. Kanpur
2. Thiruvananthapuram
3. Lucknow
4. New Delhi
5. Kolkata

Question No. 102

Which of the following states fixed weight of school bags recently?

Options :

1. Mizoram
2. Delhi
3. West Bengal
4. Kerala
5. Goa

Question No. 103

Which of the following country will host G-20 meeting in 2022?

Options :

1. Australia
2. China
3. Russia
4. India
5. Maldives

Question No. 104

KALIA Scheme for farmers' prosperity has been launched in which of the following state?

Options :

1. Maharashtra
2. Odisha
3. Karnataka
4. Kerala
5. Haryana

Question No. 105

What is the currency of Ukraine?

Options :

1. Lek
2. Hryvnia
3. Dram
4. Lari
5. Kuna

Question No. 106

Nagzira Wildlife Sanctuary is located in which state?

Options :

1. Maharashtra
2. Telangana
3. Odisha
4. Jharkhand
5. Bihar

Question No. 107

Chabahar Agreement is a trilateral agreement among India ,_____ and _____.

Options :

1. U.S. Iran
2. Afghanistan Iran
3. Pakistan Iran
4. Iran Kazakasthan
5. Iran China

Question No. 108

Recently PM Narendra Modi inaugurated Buddhist site museum in which of the following city?

Options :

1. Lalitgiri
2. Ziro
3. Along
4. Haflong
5. Namchi

Question No. 109

Which of the following was the top source of foreign direct investment (FDI) into India in 2017-18?

Options :

1. Mauritius
2. Singapore
3. Netherlands
4. U.S.
5. China

Question No. 110

ICRA recently downgraded the rating of which of the following general insurance company?

Options :

1. National Insurance Company Limited
2. SBI General Insurance
3. ECGC Limited
4. Oriental Insurance Company Ltd
5. New India Assurance Co. Ltd

Question No. 111

With which insurance company has India Post Payments Bank (IPPB) entered into a strategic partnership to provide life insurance solutions, especially at the doorstep of every household in the country?

Options :

1. LIC
2. Bajaj Allianz Life Insurance Co Ltd
3. PNB met Life
4. NICL
5. UIICL

Question No. 112

Who is the first woman Additional Solicitor General of India?

Options :

1. Madhavi Diwan
2. Pinky Anand
3. Indira Jaising
4. Vrinda Grover
5. Sudha Bhardwaj

Question No. 113

Who is the author of "Emergency Chronicles"?

Options :

1. Swati Desai
2. Renuka Choudhary
3. Gyan Prakash
4. Manmohan Singh
5. Kiran Bedi

Question No. 114

iMobile is mobile banking app of which of the following Bank?

Options :

1. Indusind Bank
2. Indian Bank
3. ICICI Bank
4. India Overseas Bank
5. IDFC Bank

Question No. 115

Ujh Multipurpose Project is located in which state?

Options :

1. Sikkim
2. Uttarakhand
3. Himachal Pradesh
4. Arunachal Pradesh
5. Jammu and Kashmir

Question No. 116

Dilip Tirkey is a famous sportsperson associated with which of the following?

Options :

1. Chess
2. Hockey
3. Golf
4. Kabaddi
5. Badminton

Question No. 117

With which company did ICICI Bank Limited join hands to form the 'ICICI Lombard General Insurance Company Limited'?

Options :

1. Liberty Mutual Insurance Group
2. TTK Group
3. Munich Re
4. Mitsui Sumitomo Insurance Group
5. Fairfax Financial Holdings Ltd.

Question No. 118

Which body/official determines the risk coverage for calculation of premium for life insurance policies?

Options :

1. Actuary of the life insurance company
2. IRDAI
3. The chief executive of the life insurance company
4. The board of directors of the life insurance company
5. None of the given options is true

Question No. 119

Jagdish Thakkar , who recently passed away was associated with which of the following?

Options :

1. Journalism
2. Sports
3. Economy
4. Politics
5. Films

Question No. 120

Who is the present CMD of National Insurance Company Limited?

Options :

1. Nagaraja Sharma
2. A V Girija Kumar
3. Alice Vaidyan
4. Tajinder Mukherjee
5. Geetha Muralidhar

Question No. 121

With which insurance company has the IRCTC tied up to provide free travel insurance to air travelers, in January 2019?

Options :

1. Aviva Life Insurance Company
2. Bharti AXA General Insurance Company
3. Bajaj Allianz Life Insurance Company
4. Edelweiss Tokio Life Insurance
5. None of these

Question No. 122

In which state India's longest single lane steel cable suspension bridge was inaugurated?

Options :

1. Sikkim
2. Manipur
3. Arunachal Pradesh
4. Tamil Nadu
5. Assam

Question No. 123

Which bank has signed MoU with Indian Army on the defence salary package?

Options :

1. SBI
2. PNB
3. ICICI Bank
4. Union Bank of India
5. Allahabad Bank

Question No. 124

Which country became the 105th member of International Cricket Council (ICC)?

Options :

1. Afghanistan
2. Malaysia
3. UAE
4. USA
5. Canada

Question No. 125

World Bank has projected India's Gross domestic product (GDP) to grow at what percent in the fiscal year 2018-19?

Options :

1. 7.3
2. 7.2
3. 7.4
4. 7.5
5. None of these

Question No. 126

Who has been appointed as the Chairman of the committee to examine motor third party insurance pricing aspects and make recommendations on the premium rates for 2019-20?

Options :

1. Finance Minister Piyush Goyal
2. NITI Aayog Chairman Rajiv Kumar
3. NITI Aayog CEO Amitabh Kant
4. IRDAI Chairman Subhash Chandra Khuntia
5. IRDAI Member P.J. Joseph

Question No. 127

"Ex Cope India-18" is a bilateral Air force exercise between India and _____.

Options :

1. UAE
2. Israel
3. Thailand
4. Indonesia
5. U.S.

Question No. 128

Fourth Partners' Forum , a global event aimed at sustaining global momentum for issues related to health of women, children and adolescent , was held in _____.

Options :

1. Mumbai
2. Jakarta
3. Panama City
4. New Delhi
5. Abu Dhabi

Question No. 129

Where is Indian Agricultural Research Institute situated?

Options :

1. New Delhi
2. Mumbai
3. Nagpur
4. Chennai
5. Kolkata

Question No. 130

Recently Indian Bank gets board nod to raise 7,000 crore. Where is the headquarters of Indian Bank?

Options :

1. Kolkata
2. Mumbai
3. New Delhi
4. Lucknow
5. Chennai

Question No. 131

What is the name of the Indian manned space mission, approved by Union cabinet in Dec 2018?

Options :

1. Adityaan
2. Wishwarohan
3. Bharatyan
4. Hindyan
5. Gaganyan

Question No. 132

What is the term of an 'Insurance Ombudsman' for which s/he is appointed?

Options :

1. 2 years
2. 3 years
3. 4 years
4. 5 years
5. 6 years

Question No. 133

India announced Rs.4500 crore financial help for which of the following south Asian country in December 2018?

Options :

1. Pakistan
2. Bhutan
3. Afghanistan
4. Sri Lanka
5. Maldives

Question No. 134

Who had surpassed ICICI Prudential Mutual Fund to become largest Asset Management Company (AMC)?

Options :

1. BNP Paribas MF
2. Baroda Pioneer
3. Axis MF
4. HDFC MF
5. None of these

Question No. 135

Where is the headquarters of UNHCR (United Nation Human Commissioner for Refugees)?

Options :

1. Vienna
2. Geneva
3. London
4. Paris
5. Dubai

Question No. 136

Hornbill Festival is famous cultural event in the state_____.

Options :

1. Goa
2. Jammu and Kashmir
3. Nagaland
4. Arunachal Pradesh
5. Sikkim

Question No. 137

Which day is celebrated on April 29?

Options :

1. World Heritage Day
2. National Maritime Day of India
3. World Veterinary Day
4. World Dance Day
5. World Intellectual Property Day

Question No. 138

World class Autism Township is to be established in which city?

Options :

1. Kolkata
2. Chennai
3. Mumbai
4. Pune
5. Odisha

Question No. 139

Which insurance company's tagline is 'Jiyo Befikar'?

Options :

1. ICICI Prudential Life Insurance Company
2. Bajaj Allianz Life Insurance Company
3. HDFC Standard Life Insurance
4. Birla Sun Life Insurance Company
5. Bharti AXA Life Insurance

Question No. 140

After how many years, according to IRDAI, Life insurers cannot reject claims made on policies?

Options :

1. 7 years
2. 6 years
3. 5 years
4. 4 years
5. 3 years

Question No. 141

Which of the following small finance bank launched 'Kisan Suvidha loan' for small and marginal farmers?

Options :

1. Ujjivan Small Finance Bank
2. Capital Lab Small Finance Bank
3. AU Small Finance Bank
4. ESAF Small Finance Bank
5. Suryoday Small Finance Bank

Question No. 142

Securities and Exchange Board of India (SEBI) proposed a new set of framework for REITs and InvITs. What does "E" represent in "REIT"?

Options :

1. External
2. Economic
3. Empowerment
4. Estate
5. None of these

Question No. 143

Government launched which portal for affordable credit and to connect directly with loan beneficiary?

Options :

1. RuPay
2. MoPAD
3. RoKID
4. PAiSA
5. None of these

Question No. 144

Which of the following companies has recently launched e-commerce platform for handloom weavers?

Options :

1. Microsoft
2. Google
3. Amazon
4. Walmart
5. IBM

Question No. 145

Who became world's youngest mountaineer to climb 7 Peaks and 7 Volcano Summits?

Options :

1. Malavath Purna
2. Mohan Singh Kohli
3. Gurdial Singh
4. Satyarup Siddhanta
5. Sudipta Sengupta

Question No. 146

What is the difference between exports and imports is called?

Options :

1. Balance of Trade
2. GDP
3. GNP
4. CASA
5. None of these

Question No. 147

As per the recent news, India will surpass which country to become 2nd largest oil demand centre in 2019?

Options :

1. Japan
2. China
3. UK
4. USA
5. Russia

Question No. 148

Who is the newly appointed Chief Minister of Chhattisgarh?

Options :

1. Raman Singh
2. Bhupesh Bhagel
3. Ashok Gehlot
4. Naresh Singh
5. Shivraj Chauhan

Question No. 149

Recently Lok Sabha passed the Consumer Protection Bill, 2018. Which law would be replaced by this?

Options :

1. Consumer Protection Bill, 2000
2. Consumer Protection Bill, 1964
3. Consumer Protection Bill, 1986
4. Consumer Protection Bill, 1992
5. None of these

Question No. 150

Polavaram irrigation project is located in which of the following states?

Options :

1. Andhra Pradesh
2. Bihar
3. Gujarat
4. Tamil Nadu
5. Maharashtra

Section: Reasoning Aptitude

Directions (151-155):

Study the following information carefully and answer the questions given below.

There are eight members i.e. P, Q, R, S, W, X, Y and Z are sitting around a square table such that four of them like different games i.e. Football, Basketball, Baseball and Golf and four of them like different cities i.e. Mumbai, Bengaluru, Chennai and Hyderabad but not necessarily in the same order. Those who like games sit at the corner and those who like cities sit at the middle of the table. Some of them are facing towards the centre while some are facing outside the centre. The one who likes Hyderabad sits third to the right of X, who faces inside. R sits third to the right of S. The one who likes Mumbai sits third to the right of R. S does not like Mumbai. The one who likes Football sits third to the right of Q. W likes Golf and sits on the immediate right of the one who likes Mumbai. Z sits third to the right of the one who likes Baseball. The one who likes Bengaluru sits second to the right of Z. The one who likes Bengaluru faces Q. The one who likes Football sits third to the right of Q. The one who likes Baseball sits opposite to the one who likes Golf. R does not like Baseball. The one who likes Basketball sits third to the right of Y. Y and W face opposite direction.

Question No. 151

P likes which of the following Game/city?

Options :

1. Baseball
2. Mumbai
3. Football
4. Hyderabad
5. None of these

Question No. 152

Who among the following sits second to the right of R?

Options :

1. The one who likes Hyderabad
2. Y
3. The one who likes Baseball
4. The one who likes Football
5. None of these

Question No. 153

Which of the following is not true regarding X?

Options :

1. S and X are immediate neighbours.
2. X sits third to the left of the one who likes Hyderabad.
3. X faces the one who likes Golf.
4. X and Y faces same direction.
5. All are correct

Question No. 154

How many persons sit between Q and P when counted from the left of P?

Options :

1. Two
2. One
3. No one
4. Four
5. None of these

Directions (156-160):

Study the following information carefully and answer the questions given below:

Eight boxes named E, F, G, H, N, O, P and Q are initially placed in a row from west to east direction. But after some time all are placed in a stack one above other. Also, each box contains different fruits. Only two boxes are placed between box H and the box which contains papaya in stack. Only three boxes are placed between Box H and Box P in stack. Box P is second from either top or bottom of the stack. Box that contains apple is placed immediate above box H in stack. Only one box is placed between box Q which contains cherry and apple in stack. Three boxes are placed between the box

which contains cherry and box G in stack. The number of boxes placed above box G is same as below the box that contains orange. There are three boxes in between the boxes which contain orange and box E which contains guava in stack. Box which contains Peach is placed second from the right end in row. Three boxes are placed in row between the box which contains peach and the box which was at bottommost position in stack. The number of boxes placed below box O in stack is same as to the east of it in row. Box O is not placed to the west of box G. Box which contains orange is placed adjacent to box O in row. Box N is placed below box F in stack. Box which contains apple is at left end and the box which contains mango is at right end. Box E and N are adjacent to each other in row. Four boxes are placed between box E and box H in row. Box which contains grapes is adjacent to the box which contains cherry in row.

Question No. 155

Who among the following sits third to the left of Y?

Options :

1. R
2. Z
3. W
4. S
5. None of these

Question No. 156

Which among the following box contains mango?

Options :

1. Box which is at third position from right end in row
2. Q
3. Box which is immediately below box O in stack
4. Box which is immediately below box F in stack
5. None of these

Question No. 157

The box which is at third position from right end in row contains which fruit?

Options :

1. Orange
2. Peach
3. Guava
4. Papaya
5. Cherry

Question No. 158

How many boxes are placed between the box which contains grapes and apple in stack and row respectively?

Options :

1. Two, Four
2. One, Four
3. Three, Two
4. Five, One
5. Six, Two

Question No. 159

Which box is immediately above the box which contains peach in stack?

Options :

1. N
2. Q
3. F
4. H
5. G

Question No. 160

How many boxes are placed to the west and above to box F in row and stack respectively?

Options :

1. None, Three
2. Five, One
3. Two, Five
4. Four, None
5. Two, Three

Directions (161-165):

Read the following information carefully and answer the questions given below:

A certain number of persons sit in a row adjacent to each other. Some of them have mobiles and others have Televisions. The one who have mobiles face south direction and the one who have Televisions face north direction. Y has Samsung phone and sits exactly between K and B. As many persons sit between D and Y as between T and W who has Oppo phone. Only five persons sit between B and G who has Vivo phone. As many persons sit between Y and G as between E and Y. T

sits third to left of G and has Hitachi TV. There are two persons sit between P and the one who has Realme phone. D sit fourth to the right of E and has Redmi 6 pro phone. Only four persons sit to the right of T. Only seven persons sit between K and the one who has Vivo phone. K has Sony TV. E has Phillips TV. Only six persons sit between D and P who has LG television. Only four person sits to the right of D.

Question No. 161

What is the number of persons to the left of B?

Options :

1. Nine
2. Sixteen
3. Thirteen
4. Seven
5. Ten

Question No. 162

How many persons who sit between K and W?

Options :

1. 13
2. 12
3. 11
4. 15
5. None of these

Question No. 163

Which of the following statements is true?

Options :

1. Y sits third to the right of D.
2. No person sits between the one who likes Realme and the one who likes Samsung.
3. G sits fifth to the right of the one who likes Oppo.
4. As many persons sit between K and D as between T and W.
5. None is true.

Question No. 164

How many persons sit in the row?

Options :

1. Eighteen
2. Twenty- one
3. Twenty- two
4. Nineteen
5. Twenty- four

Question No. 165

What is the difference between the number of persons to the left and to the right of B?

Options :

1. 4
2. 7
3. 5
4. 3
5. 2

Directions (166-170):

Study the following information carefully and answer the questions given below:

A number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and its rearrangement:

| | | | | | | | | |
|------------------|-----|-----|-----|------|-----|-------|-----|-----|
| Input: | 57 | 18 | 33 | 47 | 70 | 36 | 83 | 28 |
| Step I: | 85 | 72 | 165 | 235 | 280 | 144 | 415 | 112 |
| Step II: | 213 | 237 | 70 | 515 | 136 | 559 | 303 | |
| Step III: | 6 | 42 | 0 | 25 | 18 | 225 | 9 | |
| Step IV: | 3 | 21 | 0 | 12.5 | 9 | 112.5 | 4.5 | |

And step IV is the last step of the above input. As per the rules followed in the above steps, find out in each of the following questions, the appropriate step for the given input.

Input: 29 22 87 56 19 72 39

Question No. 166

What is the sum of the numbers at both the ends in step II of the given rearrangement?

Options :

1. 504
2. 405
3. 450
4. 540
5. None of these

Question No. 167

Which element is second to the right of the one which is third from the left in step III?

Options :

1. 27
2. 96
3. 30
4. 35
5. None of these

Question No. 168

What is the product of the numbers which are third from the right end and third from the left end in the final step of the given arrangement?

Options :

1. 22
2. 18
3. 15
4. 13.5
5. None of these

Question No. 169

Which of the following is the first step of the given input?

Options :

1. 145 224 95 88 435 288 195
2. 95 288 195 145 88 435 224
3. 145 88 435 224 95 288 195
4. 145 88 288 195 435 224 95
5. None of these

Question No. 170

What is the difference of the numbers at both the ends in step IV of the given rearrangement?

Options :

1. 22.5
2. 30.5
3. 36.5
4. 28.5
5. None of these

Directions (171-175):

Study the following information carefully and answer the questions given below:

S is husband of T. U is grandchild of S. S has only one child (son), who is married to W's child. W has only two children one son and one daughter. M is grandson of W. V is brother – in – law of son of W. J and K are children of W. L is married to son of W. M is son of J's brother.

Question No. 171

If W is married to N then how is W related to U?

Options :

1. Grandfather
2. Grandmother
3. Maternal Grandfather
4. Maternal Grandmother
5. Either 3 or 4

Question No. 172

How is M related to K?

Options :

1. Son
2. Daughter
3. Son – in - law
4. Daughter – in – law

Question No. 173

How is U related to L?

Options :

1. Nephew
2. Niece
3. Daughter
4. Cannot be determined
5. None of these

Question No. 174

In which direction is point T with respect to the starting point?

Options :

1. South
2. South east
3. East
4. South west
5. None of these

Directions (176-180):

Study the following information carefully to answer the given questions.

There are 16 persons – J, K, L, M, N, O, X, Y, A, B, C, D, E, F, G and H sitting in a circular plot. Inside a circular plot, a circularly shaped garden is developed. The persons who are sitting inside the garden facing outside. The persons who are sitting outside the garden facing inside the centre and lives in a different number of floors. So all the persons sitting in the inner circle faces the persons sitting in the outer circle and hold a different number of toffees.

(i) O faces outside and D faces O. L sits immediate right of O. There are four person sits between O and M. X is not an immediate neighbour of M. There are two persons sitting between L and X. X faces C. There are three persons sitting between C and F. F sits exactly between the J and N. J faces L.

(ii) There are two persons sitting between A and K. Neither D nor C is an immediate neighbour of A. Y sits to the immediate left of X. Y faces E. The one who faces N sits exactly between the persons B and H. H faces A.

(iii) J lives on the second floor and sits exactly opposite to the person who lives on the floor which is the square number of the floor of J. N lives on the third floor and sits exactly opposite to the person who lives on the floor which is the square number of the floor of N. A lives on 6th floor and D lives immediately above A.

(iv) F lives immediately below J. C lives immediately above E. The one who faces A holds toffees two less than the number of the floor occupied by A. The one who faces F holds toffees six more than the number of the floor occupied by F.

(v) Number of toffees hold by L is four more than the number of the floor occupied by J. Number of toffees hold by M is the difference between the number of toffees hold by L and H. Number of toffees hold by O is the sum of the number of toffees hold by L and M also equals to number of toffees hold by G and X. Number of toffees hold by Y is the square of the number of toffees hold by X.

Question No. 175

What is the shortest distance between the starting point and point S?

Options :

1. 7 Km
2. 3 Km
3. 8 Km
4. 5 Km
5. None of these

Question No. 176

In the given arrangement, how many people will sit between J and E?

Options :

1. Two
2. Three
3. Four
4. More than four
5. One

Question No. 177

Who amongst the following lives on the seventh floor?

Options :

1. D
2. B
3. F
4. K
5. None of these

Question No. 178

If persons counted from the right of O, then how many people sit between O and M as per the given arrangement?

Options :

1. Five
2. Three
3. Four
4. More than four
5. Two

Question No. 179

Four of the following five are alike in a certain way based upon their seating arrangement and so form a group. Which of the following does not belong to the group?

Options :

1. N
2. M
3. K
4. O
5. G

Question No. 180

Who amongst the following have seven toffees?

Options :

1. E
2. N
3. B
4. A
5. D

Directions(181-185):

Each of these questions consists of three statements followed by three conclusions. Consider the given statements to be true even if they seem to be at variance with commonly known facts. Read all conclusions and then decide which of the given conclusions do(es) not follow logically from the given statements, disregarding commonly known facts.

Question No. 181

Statements:

Some goats are lizards.

No lizard is a camel.

All camels are zebras.

Conclusions:

- I. Some lizards not being camels is a possibility.
- II. Some zebras are definitely not lizards.
- III. All goats being camels is a possibility.

Options :

1. If only conclusion III does not follow.
2. If both conclusion I and III do not follow.
3. If only conclusion I does not follow
4. If only conclusion II does not follow.
5. None of these

Question No. 182

Statements:

All engineers are villagers.

Some doctors are villagers.

No doctor is a teacher.

Conclusions:

I. Some engineers are villagers.

II. Some teachers are not doctors.

III. Some teachers being doctors is a possibility.

Options :

1. If only conclusion III does not follow.
2. If both conclusion I and III do not follow.
3. If only conclusion I does not follow
4. If only conclusion II does not follow.
5. None of these

Question No. 183

Statements:

All paint are shoes.

All socks are shoes.

Some socks are shirts.

Conclusions:

I. No paint is a sock.

II. Some shoe being shirts is a possibility.

III. Some shoes are paints.

Options :

1. If only conclusion III does not follow.
2. If both conclusion I and III do not follow.
3. If only conclusion I does not follow
4. If only conclusion II does not follow.
5. None of these

Question No. 184

Statements:

Some words are letters.

All letters are alphabets.

No alphabet is a digit.

Conclusions:

I. Some letters are digits.

II. No alphabet is a word.

III. No letter is a digit.

Options :

1. If only conclusion III does not follow.
2. If both conclusion I and III do not follow.
3. If only conclusion I does not follow
4. If only conclusion II does not follow.
5. None of these

Question No. 185

Statements:

No table is a chair.

Some chairs are books.

Some books are colours.

Conclusions:

I. Some books are chairs.

II. Some chairs being colours is a possibility.

III. No colour is a book.

Options :

1. If only conclusion III does not follow.
2. If both conclusion I and III do not follow.
3. If only conclusion I does not follow
4. If only conclusion II does not follow.
5. None of these

Directions (186-188):

Study the following information carefully and answer the questions given below:

Each of the six boxes A, B, C, D, E and F has different weight. A is heavier than B but lighter than E. B is heavier than F. F is not the lightest. C is heavier than B but not the heaviest. The one who is second heaviest is 65 kg and the one who is the second lightest is 35 kg. (Note: All weights are in whole numbers).

Question No. 186

If the sum of the weights of F and A is 90 kg then what will be the sum of the weights of C and A? (in kg)

Options :

1. 119 kg
2. 125 kg
3. 120 kg
4. 128 kg
5. None of these

Question No. 187

As per the given information, what may be the probable weight of E? (in kg)

Options :

1. 72 kg
2. 60 kg
3. 54 kg
4. 62 kg
5. None of these

Question No. 188

Who among the following is the third lightest?

Options :

1. B
2. F
3. D
4. E
5. None of these

Question No. 189

In a certain code language 'COMPANY' is written as 'KNEKWMC' and 'PROJECTS' is written as 'MQRQRBG', what will be the code for 'TUESDAY' in the given code language?

Options :

1. CTVHZFW
2. VHWZCTF
3. HWCTVZF
4. CTVHWZF
5. None of these

Question No. 190

Four of the following five are alike in a certain way as per the English alphabetical order and so form a group. Which is the one that does not belong to that group?

Options :

1. FIRO
2. LOYV
3. DGMJ
4. PSNL
5. None of these

Directions (191-195):

Each of the questions below consists of a question and three statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and given answer

Question No. 191

Who among P, Q, R, S and T is the shortest?

I. Q is shorter than P and S and taller than T.

II. P is taller than Q and shorter than S.

III. R is taller than T.

Options :

1. Only I
2. Only I and II
3. Only I and III
4. Either I or III
5. All I, II and III together

Question No. 192

How many students are there in a row? All students are facing north.

I. Om is twelfth from the left end.

II. Piyush is eighth to the left of Rakesh, who is thirteenth from the right end and eighteenth from the left end.

III. Ritika is eleventh from the left end and is ninth to the left of Sanjay, who is fourteenth from the right end.

Options :

1. Only I
2. Only II
3. Both I and III
4. Either II or III
5. None of these

Question No. 193

Among five friends A, B, C, D and E each studies in a different standard, viz 3rd, 4th, 5th, 6th and 8th. In which standard does C study?

I. B studies in a standard which is an odd number. C is B's senior but does not study in 8th standard.

II. Only three students are senior to A. B is senior to A but junior to C.

III. D is not junior to E.

Options :

1. Only II
2. Only I
3. Both I and III
4. Only I and II
5. All I, II and III

Question No. 194

In a five – floor building, on which floor does Kirti live? (Starting from first floor going up to fifth floor)

- I. Kirti lives immediately above Rakesh’s floor, who lives immediately above Pankaj’s floor.
- II. Luv lives on the top floor.
- III. Tanuj lives immediately above Kirti. Pankaj lives on an odd numbered floor.

Options :

- 1. Only I
- 2. Only II
- 3. Both II and III
- 4. Both I and III
- 5. None of these

Question No. 195

How is P related to Q?

- I. R is the cousin of Q and niece of P.
- II. P’s sister S, who is wife of T, who is father of Q.
- III. P is a female.

Options :

- 1. Only I and III
- 2. Only II and III
- 3. Only I and II
- 4. Either I or II or III
- 5. None of these

Directions (196-198):

In each question below a statement is given followed by two courses of action numbered I and II. A course of action is a practicable and feasible step or administrative decision to be taken for follow – up, improvement, or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, and decide which of the suggested courses of action logically follows(s) pursuing.

Question No. 196

Statement: The footprint of the climate change is evident and extreme weather adversely impacts agricultural yields.

Courses of Action:

- I. The government should try to find some other ways to improve agricultural yields.
- II. The government should give subsidy on AC, coolers, heaters, etc, to help people deal with the extreme weather conditions.

Options :

1. if only I follows.
2. if only II follows.
3. if either I or II follows.
4. if neither I nor II follows.
5. if both I and II follows

Question No. 197

Statement: The fertility stopping rule leads to skewed sex ratios but in different directions: skewed in favour of males if it is the last child, but in favour of females if it is not the last.

Inference:

- I. People prefer male child to a girl child.
- II. People want male child if they already have a female child and but they want a female child if they already have a male child.

Options :

1. if only I follows.
2. if only II follows.
3. if either I or II follows.
4. if neither I nor II follows.
5. if both I and II follows

Question No. 198

Statement: According to the latest issue of the medical journal Lancet, Multidrug Resistant-Tuberculosis (MDR-TB), a version of the disease where patients do not respond to first-line drugs, will become more common than it is now.

Course of Action:

I. The National TB Programme should consider expanding beyond earlier public private engagement programmes to create new and sustainable partnerships that can help effectively monitor the activities, diagnosis and treatment in the private sector.

II. Government should create awareness programs to educate people about the diagnosis and treatment of Multidrug Resistant-Tuberculosis (MDR-TB)

Options :

1. if only I follows.
2. if only II follows.
3. if either I or II follows.
4. if neither I nor II follows.
5. if both I and II follows

Directions (199-200):

Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon the degree of truth or falsity.

It is clear that investment slowdowns are more detrimental to growth than saving slowdowns, a conclusion that was earlier reached by Rodrik (2000). So, policy priorities over the short run must focus on reviving investment. Mobilizing saving, for example via attempts to unearth black money and encouraging the conversion of gold into financial saving or even quoting foreign saving are, to paraphrase John Maynard Keynes, important but perhaps not as urgent as reviving investments. In any case the share of financial saving is already rising in aggregate household saving – with a clear shift visible towards market instruments – a phenomenon that has been helped by demonetization.

Question No. 199

The saving slowdowns have no effect on economic growth of a nation.

Options :

1. If the inference is 'definitely true' i.e. it properly follows from the statement of the facts given
2. If the inference is 'probably true' though not 'definitely true' in the light of the facts given
3. If the 'data are inadequate' i.e. from the facts given you cannot say whether the inference is likely to be true or false
4. If the inference is 'probably false' though not 'definitely false' in the light of the facts given
5. If the inference is 'definitely false' i.e. it cannot possibly be drawn from the facts given, for it contradicts the given facts

Question No. 200

A shift towards market instruments by households in their saving is detrimental to the economic growth of the nation.

Options :

1. If the inference is 'definitely true' i.e. it properly follows from the statement of the facts given
2. If the inference is 'probably true' though not 'definitely true' in the light of the facts given
3. If the 'data are inadequate' i.e. from the facts given you cannot say whether the inference is likely to be true or false
4. If the inference is 'probably false' though not 'definitely false' in the light of the facts given
5. If the inference is 'definitely false' i.e. it cannot possibly be drawn from the facts given, for it contradicts the given facts



Answers and Explanations

Question.1. Answer : Option 5

Explanation:

The passage clearly mentions the above mentioned statements -

-The onset of the winter season has come to be associated with toxic atmospheric pollution in north India.

-To address this, and under directions from the Supreme Court-constituted Environment Pollution (Prevention and Control) Authority, or EPCA, the Centre is partnering with Punjab, Haryana and Uttar Pradesh to provide farmers with a range of mechanised implements to clear their fields of paddy crop residue to prepare for sowing wheat.

-A task force, headed by the Principal Secretary to the Prime Minister and comprising Environment Ministry officials and Chief Secretaries of these States, have been meeting since January to prepare for the winter.

Question.2. Answer : Option 4

Explanation:

"Reports, however, suggest that many farmers, particularly those with land holdings of less than 5 acres, remain sceptical of the efficiency of these machines. Among their concerns is whether these machines will affect productivity. Many have told officials that they are worried there could be damage to the soil."

Question.3. Answer : Option 5

Explanation:

Spike - an abrupt increase or rise. Thus, most opposite word here is - 'fall'.

Question.4. Answer : Option 1

Explanation:

Piloted - led by / conducted.

Question.5. Answer : Option 4

Explanation:

Persuade - advise / cause someone to believe.

Question.6. Answer : Option 1

Explanation:

Sceptical - doubtful or unsure about something.

Question.7. Answer : Option 1

Explanation:

The passage mentions - **Ironically, it was technology that contributed to the problem in the first place.**

Question.8. Answer : Option 4

Question.9. Answer : Option 4

Explanation:

All of the above factors have been briefly mentioned in the paragraph, indicating towards the factors responsible for the rising levels of particulate matter in Delhi.

"Given Delhi's geography, low wind speeds and a spike in local pollution (from vehicles, biomass burning, firecrackers, etc.) raise the particulate matter count dramatically during winter".

Question.10. Answer : Option 4

Explanation:

The rising cost of labour nudged farmers to adopt mechanised equipment that, while efficient, left behind much longer stalks of paddy than what the traditional practice of removing them by hand did.

Question.11. Answer : Option 4

Explanation:

Sentence A - Break away means to leave something. Break through will come instead of Break away.

Sentence B - Break off means to break piece from something. Break up fits correctly.

Sentence C - Break through means to pass through a barrier. Break out which means to escape fits in the sentence.

Sentence D - Break into means to enter a building by force. Use of Break into is correct here.

Sentence E - Break up means to finish a relationship with someone. Break up is not coherent with the meaning of the sentence instead we should use break down which means the act or process of failing to function or continue.

Only selection of break into is coherent with the sentence, so only sentence D is correct.

Question.12. Answer : Option 3

Explanation:

Sentence A - Come before means to be more important. Here in the sentence we can use come about.

Sentence B - Come about means to happen or occur. Come apart which means to break can be used in the sentence.

Sentence C - Come around means to change one's opinion and is used correctly in the sentence.

Sentence D - Come up means to create it or originate it and here we can use Come across that is to find by chance.

Sentence E - Come across means to find by chance/ appear or seem. In this sentence we can use come before to show importance.

Only come around fits in Sentence (C) according to the meaning. Hence option C is correct.

Question.13. Answer : Option 5

Explanation:

Sentence A - Take back means agree to receive back / be returned. Instead of take back we can use take after.

Sentence B - Take to means fill or occupy space. The phrasal verb Take on which means admit into group or community can be used.

Sentence C - Take in means understand what one sees, hear or reads. Here we can use Take apart that is to break down into components and essential features in the sentence.

Sentence D - Take after means resemble in appearance or character. Use Take in instead of Take after.

Sentence E - Take off means to make subtraction; remove. It is correctly used in the sentence.

The use of phrasal verb 'take off' is correct. Option E is the correct option.

Question.14. Answer : Option 2

Explanation:

Sentence A - Run away means to escape from a place or suddenly leave. Here in the sentence we can use run out.

Sentence B - Run around means busy doing many different things. It correctly fits in the sentence.

Sentence C - Run into means to meet by accident or unexpectedly. Instead of Run into we can use Run up against which means encounter difficulties or problems.

Sentence D - Run up means to accumulate debt; make something quickly. As mentioned above Run into means unexpectedly and can be used here.

Sentence E - Run out means expire; comes to an end. In this sentence we can use Run across which means run to the other side.

The use of phrasal verb 'run around' is correct. Option B is the correct option.

Question.15. Answer : Option 5

Explanation:

Sentence A - Get over means to recover from illness, disappointment. In this sentence we can use Get by which means manage to cope.

Sentence B - Get away is to escape. Instead we can use Get at which means imply and it will correctly fit in the sentence.

Sentence C - Get on with is to make progress. There are two type of phrasal verb one is Get on which means Board(bus,train,plane) and other one is Get on with which means to have a good relation, here we can use Get on and not Get on with.

Sentence D - Get rid of means eliminate. Here we can use Get over which will fit in correctly.

Sentence E - Get about means spread and circulate and it is correctly used.

Only get about fits in Sentence (E) according to the meaning. Hence option E is correct.

Question.16. Answer : Option 4

Explanation:

The correct sentence is-

The poor are getting **affected** disproportionately with respect to their limited contribution **to** a rise in global temperature.

A- 'Effect' is a noun and 'affect' is a verb which fits well in this part of the sentence.

C- We always contribute 'to' something.

Question.17. Answer : Option 2

Explanation:

The correct sentence is-

The next ten years **will** prove to be critical in terms of human responses across all economic sectors and countries to **mitigate** climate change.

Question.18. Answer : Option 4

Explanation:

The correct sentence is-

B - Talking about a past event, thus past tense to be used.

D - The subject here is 'observations' that is plural, thus 'were' will be used.

The Supreme Court's observations, while denying bail to defence analyst Abhijit Iyer-Mitra, to the effect that he **incited** religious feelings in a video posted on social media, **were** out of place in what was a bail hearing.

Question.19. Answer : Option 2

Explanation:

The correct sentence is-

In a mature democracy, the casual resort to criminal prosecution **for** perceived insults to either a religion or a class of society ought to be **actively** discouraged.

B - One is always prosecuted 'for' something- denoting reason further.

D- An adverb is required here, thus - 'actively'.

Question.20. Answer : Option 5

Explanation:

The sentence is correct.

Along with the celebrations, this statistic gives reason for the community of scientists to introspect over what makes an enabling environment for women to practise science in.

Question.21. Answer : Option 1

Explanation:

Correct Sequence: DACFEB

THE TOPIC- WHAT ARE WE TALKING ABOUT?

D.October is a busy month for nature enthusiasts.

WHY IS IT SO?

A.Many of the national parks and sanctuaries are reopened post-monsoon for tourists.

WHAT DOES THAT MEAN?

C.The 'wild' becomes accessible once again.

FURTHER INFORMATION:- (Key Word : 'also')

F.It is also the time when the world rejoices in celebrating the environment.

RECENT EVENT IN THE SAME FIELD:

E.The United Nations recently announced the 'Champions of the Earth Award' jointly to French President Emmanuel Macron and the Prime Minister of India Narendra Modi for their bold environmental leadership on the global stage.

THE GOALS THAT WERE AWARDED:

B.This included major initiatives towards building a global solar alliance and the elimination of single-use plastic by 2022.

Question.22. Answer : Option 4

Explanation:

Correct Sequence: DACFEB

THE TOPIC- WHAT ARE WE TALKING ABOUT?

D.October is a busy month for nature enthusiasts.

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A.Many of the national parks and sanctuaries are reopened post-monsoon for tourists.

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THE GOALS THAT WERE AWARDED:

B.This included major initiatives towards building a global solar alliance and the elimination of single-use plastic by 2022.

Question.23. Answer : Option 3

Explanation:

Correct Sequence: DACFEB

THE TOPIC- WHAT ARE WE TALKING ABOUT?

D.October is a busy month for nature enthusiasts.

WHY IS IT SO?

A.Many of the national parks and sanctuaries are reopened post-monsoon for tourists.

WHAT DOES THAT MEAN?

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FURTHER INFORMATION:- (Key Word : 'also')

F.It is also the time when the world rejoices in celebrating the environment.

RECENT EVENT IN THE SAME FIELD:

E.The United Nations recently announced the 'Champions of the Earth Award' jointly to French President Emmanuel Macron and the Prime Minister of India Narendra Modi for their bold environmental leadership on the global stage.

THE GOALS THAT WERE AWARDED:

B.This included major initiatives towards building a global solar alliance and the elimination of single-use plastic by 2022.

Question.24. Answer : Option 2

Explanation:

Correct Sequence: DACFEB

THE TOPIC- WHAT ARE WE TALKING ABOUT?

D.October is a busy month for nature enthusiasts.

WHY IS IT SO?

A.Many of the national parks and sanctuaries are reopened post-monsoon for tourists.

WHAT DOES THAT MEAN?

C.The 'wild' becomes accessible once again.

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F.It is also the time when the world rejoices in celebrating the environment.

RECENT EVENT IN THE SAME FIELD:

E.The United Nations recently announced the 'Champions of the Earth Award' jointly to French President Emmanuel Macron and the Prime Minister of India Narendra Modi for their bold environmental leadership on the global stage.

THE GOALS THAT WERE AWARDED:

B.This included major initiatives towards building a global solar alliance and the elimination of single-use plastic by 2022.

Question.25. Answer : Option 5

Explanation:

Correct Sequence: DACFEB

THE TOPIC- WHAT ARE WE TALKING ABOUT?

D.October is a busy month for nature enthusiasts.

WHY IS IT SO?

A.Many of the national parks and sanctuaries are reopened post-monsoon for tourists.

WHAT DOES THAT MEAN?

C.The 'wild' becomes accessible once again.

FURTHER INFORMATION:- (Key Word : 'also')

F.It is also the time when the world rejoices in celebrating the environment.

RECENT EVENT IN THE SAME FIELD:

E.The United Nations recently announced the 'Champions of the Earth Award' jointly to French President Emmanuel Macron and the Prime Minister of India Narendra Modi for their bold environmental leadership on the global stage.

THE GOALS THAT WERE AWARDED:

B.This included major initiatives towards building a global solar alliance and the elimination of single-use plastic by 2022.

Question.26. Answer : Option 1

Explanation:

Calls for (phrasal verb) - to say publicly that something must happen / demand / entail.

Question.27. Answer : Option 2

Explanation:

Tackle is contextually and grammatically correct.

Question.28. Answer : Option 3

Explanation:

The writer wants to convey that in order to tackle the rising pollution, one of the positive ways to do it is to make public transport attractive for urban India.

Question.29. Answer : Option 4

Explanation:

Designed will fit in the blank correctly.

Question.30. Answer : Option 4

Explanation:

Dissemination - distribution/circulation.

Question.31. Answer : Option 5

Explanation:

The report **reveals** that India's transport demand has grown by almost eight times since 1980, more than elsewhere in Asia.

Reveal - expose / inform.

Question.32. Answer : Option 1

Explanation:

Gather in this context means to 'gain or increase' speed.

Question.33. Answer : Option 1

Explanation:

Coagulate - to solidify / stiffen / make permanent.

Question.34. Answer : Option 2

Explanation:

Objective - aim / goal.

Question.35. Answer : Option 4

Explanation:

Monitor - watch carefully.

Question.36. Answer : Option 3

Explanation:

According to the passage- " It expresses concern at the large number of people who die every year and the thousands who are crippled in accidents, but **the remedies it highlights are weak, incremental and unlikely to bring about a transformation**".

Question.37. Answer : Option 3

Explanation:

The passage clearly mentions - To claim a **1.9%** reduction over the previous year is statistically insignificant, more so when the data on the rate of people who die per 100 accidents show no decline.

So there must have been a slight decline, but that cannot be counted as a significant change.

Question.38. Answer : Option 1

Explanation:

Incremental - something that gradually keeps on increasing; Thus, most opposite will be 'reducible'.

Question.39. Answer : Option 3

Explanation:

Reiterate - to repeat something.

Question.40. Answer : Option 1

Explanation:

Glaring - conspicuous / obvious / noticeable.

Question.41. Answer : Option 2

Explanation:

One of the most important **measures** is installing the early warning system that can **predict** air quality levels two days in advance.

The phrase 'one of the most' should necessarily be followed by a plural verb, thus 'measures'.

Predict - express an outcome in advance.

Question.42. Answer : Option 3

Explanation:

AIR safety is **increasingly** being imperiled by the **recklessness** of pilots or crew, or even ground staff.

Recklessness - carelessness.

Question.43. Answer : Option 4

Explanation:

The initiative is **indicative** of the department's acknowledgement of the poor state of affairs and its **attempt** to set things in order in multifarious ways.

Question.44. Answer : Option 1

Explanation:

Information collected **during** the evaluation process is essential in **identifying** particular parameters that need to be dealt with in each school.

'Identifying' in this context means 'analyze/ recognize/ classify'.

Question.45. Answer : Option 3

Explanation:

Without specific statistics, **vague** reasons are given for lapses and remedial action remains **ambiguous**.

Vague and ambiguous are synonyms, which mean - not definite / dubious.

Question.46. Answer : Option 2

Explanation:

The correct sentence is -

Quality education can be imparted if the ecosystem boasts of a good student-teacher ratio, which is intricately connected to fair recruitments and transparent transfers.

Question.47. Answer : Option 3

Explanation:

The correct sentence is -

The spillover of Kashmir's militancy from the containerised cauldron of disaffected, barely-literate students to include the decently-educated and urbane youth may be slowly taking place.

Question.48. Answer : Option 4

Explanation:

The correct sentence is -

The Supreme Court has sent a very strong signal to all unscrupulous property developers and real estate companies by directing the police to take three directors of the controversial Amrapali Group into its custody immediately.

Question.49. Answer : Option 1

Explanation:

The correct sentence is -

Making investment in the real estate comes naturally to most Indians because they are not attuned to the complexities and unpredictability of the stock market.

Question.50. Answer : Option 3

Explanation:

The correct sentence is -

It is imperative that the state government quells the atmosphere of fear and hate and woos back the workers, who have done no wrong and are rightfully earning their livelihood in Gujarat.

Question.51. Answer : Option 3

Explanation:

The difference between the working women in Ahmedabad and the working men in Bangalore = 32.5 - 17.5 = 15 lakh

Question.52. Answer : Option 2

Explanation:

Income per working person = Total income of city / Number of working people in city

Income per working person in Chandigarh = 36% of 400 Cr / (30 + 25) Lakh = 144/55 = Rs.261.18

In Mumbai = 16% of 400 cr / (35 + 30) Lakh = Rs.98.46

In Pune = 20% of 400 cr / (35 + 30) Lakh = Rs.123.06

In Nagpur = 14% of 400cr / (30+32.5) Lakh = Rs.44.8

In Ahmedabad = 10% of 400cr / (25 + 32.5) Lakh = Rs.69.56

In Bangalore = 4% of 400cr / (17.5 + 25) Lakh = Rs.37.64

The income per working person in Bangalore is the minimum.

Question.53. Answer : Option 2

Explanation:

Average number of working men in all the cities together = $1/6 \times (30 + 35 + 35 + 30 + 25 + 17.5) = 28.75$ lakh

Average number of working women in all the cities together = $1/6 \times (25 + 30 + 30 + 32.5 + 32.5 + 25) = 29.16$ lakh

So, Required answer = 28.75 + 29.16

= 57.91 lakh (approx)

Question.54. Answer : Option 3

Explanation:

Total income of Chandigarh = 36% of 400cr = Rs.144 cr

Income per person = 144 cr / 55 Lakh = Rs.261.8

So, Required difference of income = 5 lakh \times 261.8 = Rs.1309 lakh

= Rs.13.09 Crore

Question.55. Answer : Option 4

Explanation:

Required % = $(30/25) \times 100$

= 120%

Question.56. Answer : Option 1

Explanation:

Let total work = LCM of 6, 12 and 18 = 36 units

A's 1 day work = 6 units,

B's 1 day work = 3 units & C's 1 day work = 2 units
 Total work completed by all in 2 days = $(6 + 3 + 2) \times 2 = 22$ units
 In last 3 days C alone worked so his work in last 3 days = $2 \times 3 = 6$ units
 so remaining work = $36 - 22 - 6 = 36 - 28 = 8$ units
 Which is completed by B & C together
 so they completed it in = $8/(3 + 2) = 8/5 = 1.6$ days
 so total work completed in = $2 + 1.6 + 3 = 6.6$ days

Question.57. Answer : Option 3

Explanation:

Let the farmer give Rs x to the 16 years old son and the remaining Rs $(1,48,840 - x)$ to his 18 years old son.

$$\text{Now, } x \{1 + (20/100)\}^4 = (148840 - x) \{1 + (20/100)\}^2$$

$$x (120/100)^2 = (148840 - x)$$

$$x = \text{Rs } 61000$$

For 16 years old son = Rs 61000

For 18 years old son = Rs 87840

Question.58. Answer : Option 4

Explanation:

Quantity of milk = 80 L

When 20% solution is taken out = 20% of 80 L = 16 L

Remaining solution = 80 L – 16 L = 64 L

Now, again 20% of solution is taken out = 20% of 64 = 12.8 L

Remaining solution = 64 L – 12.8 L = 51.2 L

Now, further 20% of solution is taken out = 20% of 51.2 = 10.24 L

Remaining solution = 51.2 L – 10.24 L = 40.96 L

Total quantity taken out which is replaced by water = 80 L – 40.96 L = 39.04 L

therefore, Required ratio = 39.04 : 40.96 = 61:64

Question.59. Answer : Option 2

Explanation:

Give chance for First and Second person get selected is $1/3$ and $1/5$

First person not get selected chance is $(1 - 1/3) = 2/3$

Second person not get selected chance is $(1 - 1/5) = 4/5$

$P(\text{only one get selected}) = P(\text{1st selected and 2nd not selected}) + P(\text{1st not selected and 2nd selected})$

$$= (1/3 \times 4/5) + (2/3 \times 1/5)$$

$$= 2/5$$

Question.60. Answer : Option 1

Explanation:

$$\text{Distance} = t [(u^2 - v^2) / 2u]$$

$$24 = 4 \frac{1}{2} \times [(12^2 - v^2) / 2 \times 12]$$

$$24 = 9/2 (144 - v^2) / 24$$

$$128 = 144 - v^2$$

$$v^2 = 16$$

$$v = 4 \text{ km/hr.}$$

Question.61. Answer : Option 1

Explanation:

$$\text{Area of the lawn} = \pi r^2 = \frac{22}{7} \times 42 \times 42 = 5544 \text{ m}^2$$

$$\text{Area of the lawn including path} = \pi r^2 = \frac{22}{7} \times 56 \times 56 = 9856 \text{ m}^2$$

$$\text{Area of the path} = 9856 \text{ m}^2 - 5544 \text{ m}^2 = 4312 \text{ m}^2$$

Question.62. Answer : Option 3

Explanation:

Let A, B, C, D, and E represent their respective weights.

Then, $A + B + C = (84 \times 3) = 252 \text{ kg}$,

$A + B + C + D = (80 \times 4) = 320 \text{ kg}$.

$D = (320 - 252) \text{ kg} = 68 \text{ kg}$,

$E = (68 + 3) \text{ kg} = 71 \text{ kg}$.

$B + C + D + E = (79 \times 4) = 316 \text{ kg}$.

Now, $(A + B + C + 4) - (B + C + D + E) = (320 - 316) \text{ kg} = 4 \text{ kg}$.

$A - E = 4$

$\Rightarrow A = (4 + E) = 75 \text{ kg}$.

Question.63. Answer : Option 2

Explanation:

Let initial salary of Teena was X and Tanya was $(61920 - X)$.

Increased salary of Teena = $X + 30\% \text{ of } X = 1.3X$

Increased Salary of Tanya = $115\% \text{ of } (61920 - X)$

Increased Salary of Tanya = $(71208 - 1.15X)$

New Salary of Tanya = $110\% \text{ of } 1.3X$

$71208 - 1.15X = 1.43X$

$$\Rightarrow 1.15X + 1.43X = 71208$$

$$\Rightarrow 2.58X = 71208$$

$$\Rightarrow X = 27600$$

Increased salary of Teena = $27600 + 30\%$ of $27600 = \text{Rs.}35880$.

Question.64. Answer : Option 4

Explanation:

Let his total sales be 'x'.

$$\text{Then, } 2000 + (x - 9000) \times \frac{3}{100} = \frac{6x}{100} + 1400$$

$$\Rightarrow 200000 + 3x - 27000 = 6x + 140000$$

$$\Rightarrow 3x = 33000$$

$$\Rightarrow x = 11000$$

Question.65. Answer : Option 3

Explanation:

$$\text{First selling price} = 48000 \times \frac{90}{100} = \text{Rs. } 43200$$

$$\text{Second selling price} = 43200 \times \frac{111}{100} = \text{Rs. } 47952$$

$$\text{Loss} = 48000 - 47952 = 48$$

Question.66. Answer : Option 4

Explanation:

From I.

$$\text{SP} = 648$$

$$\text{Profit} = 48$$

$$\text{CP} = 648 - 48 = 600$$

From II.

$$\text{Profit} = 120 \text{ (when no discount)}$$

$$\text{So, MP} = 600 + 120 = 720$$

$$\text{Discount} = 720 - 648 = 72$$

$$\text{Discount \%} = 72 \times \left(\frac{100}{720}\right) = 10\%$$

From III.

$$\text{When discount} = 0$$

$$\text{Profit} = 20\%$$

$$\text{Profit} = 600 \times \left(\frac{20}{100}\right) = 120$$

$$\text{MP} = 600 + 120 = 720$$

$$\text{Discount} = 720 - 648 = 72$$

$$\text{Discount \%} = 72 \times \left(\frac{100}{720}\right) = 10\%$$

So, statement I with either II or III is necessary to answer the question.

Question.67. Answer : Option 3

Explanation:

Let the total students = x

From I: Failed students = 12% of x , Passed students = 88% of x

From II: Difference between failed and passed students = 380

From I and II. 88% of x – 12% of x = 380

76% of x = 380 x = 500

Students who cleared the exam = 88% of 500 = 440 Hence statement I and II together is sufficient to answer the question.

Question.68. Answer : Option 4

Explanation:

Let Ankit's investment = x

From II and III.

Rohan's investment = 140% of x = $1.4x$

Vyom's investment = z

Rohan's investment was 30% less than Vyom's = 70% of z = $1.4x$

$z = (1.4x \times 100)/70 = 2x$

Ankit, Vyom, Rohan's profit ratio = $x : 2x : 1.4x = 5 : 10 : 7$

Let profit ratio of Ankit, Vyom, Rohan be $5y, 10y$ and $7y$

$10y - 5y = 9000$

$y = 1800$

Rohan's share = $1800 \times 7 = \text{Rs. } 12600$

Hence, statement II and III together are sufficient to answer the question.

Question.69. Answer : Option 4

Explanation:

Mayank + Kamayani + Neelam + Ashish + Reena = $18 \times 5 = 90$ yrs

From (I)

Kamayani + Neelam + Ashish + Reena = $90 - 16 = 74$ yrs

From (II)

Kamayani's age = Reena – 2 and

Reena's age = Ashish – 4

So, Ashish = Reena + 4

From (III)

Ashish = Kamayani + 4 and

Ashish = Reena + 2

Combining all the three statements, we cannot determine the age of Neelam.

Question.70. Answer : Option 4

Explanation:

From statement (I),(II) and (III)

Let the speed of Rekha be $9x$ and Tanu be $7x$

Difference in their speed = 20 km/hr

$$9x - 7x = 20$$

$$2x = 20$$

Therefore, $x = 10$

Speed of Rekha = 90 km/hr

Speed of Tanu = 70 km/hr

Now, let distance be 'D' km

$$\text{Then, } D/70 - D/90 = 4$$

$$2D/630 = 4$$

$$D = 1260 \text{ km}$$

Question.71. Answer : Option 4

Explanation:

Required difference = 19% of 360000 - 15% of 216000

$$= 68400 - 32400$$

$$= 36000$$

Question.72. Answer : Option 4

Explanation:

Income of Madhu and Praveen : Expenditure of Pradeep and Jayati

$(15 + 20)\%$ of 360000 : $(20 + 18)\%$ of 216000

35% of 360000 : 38% of 216000

$$3600 \times 35 : 2160 \times 38$$

$$126000 : 82080$$

$$175:114$$

Question.73. Answer : Option 2

Explanation:

Saving = Income-Expenditure

$$= (20 + 18)\% \text{ of } 360000 - (17 + 17)\% \text{ of } 216000$$

$$= 38\% \text{ of } 360000 - 34\% \text{ of } 216000$$

$$= 136800 - 73440$$

$$= 63360$$

Question.74. Answer : Option 1

Explanation:

$$\text{Required average} = (15 + 12 + 18)\% \text{ of } 360000 / 3$$

$$= 45\% \text{ of } 360000 / 3$$

$$= 54000$$

Question.75. Answer : Option 3

Explanation:

$$\text{Now the income of Jayati} = 110\% \text{ of } 19\% \text{ of } 360000 = 75240$$

$$\text{The expenditure of Jayati} = 105\% \text{ of } 20\% \text{ of } 216000 = 45360$$

$$\text{Hence, Savings} = 75240 - 45360$$

$$= 29880$$

Question.76. Answer : Option 1

Explanation:

Let total salary be x.

$$\text{Savings} = [100 - (23 + 33 + 19 + 16)]\% = 9\%$$

$$9\% \text{ of } x = 5040$$

$$x = 5040 * 100/9 = 56000$$

Quantity I: Amount spend on food and EMI together = 56% of 56000 = Rs.31360

$$\text{Difference} = 31360 - 5040 = 26320$$

Quantity II: Amount spend on children's education and health together= 35% of 56000 = 19600

Quantity I > Quantity II.

Question.77. Answer : Option 2

Explanation:

Let selling price of grinder 1 be x and grinder 2 be (3000 - x).

$$120\% \text{ of } 3000 = 110\% \text{ of } x + 125\% \text{ of } (3000 - x)$$

$$360000 = 110x + 375000 - 125x$$

$$x = 15000/15 = 1000$$

Quantity I = Selling price = x = 1000

Quantity II = Selling Price = 3000 - 1000 = 2000

$$\text{Cost price} = 2000 \times (100/125) = 1600$$

Quantity I < Quantity II

Question.78. Answer : Option 1

Explanation:

Quantity I: Let total work = 18 unit

1 man and 2 women one day's work= $(1 \times 3) + (2 \times 2) = 7$ units

Remaining work = $18 - 7 \times 2 = 4$ unit

Therefore 2 boys will be required to complete the 2×2 unit of work.

Quantity II: By taking LCM we get total work=12 units in a day

They have to complete the work in $1/2$ days means $2 \times 12 = 24$ units/ days

2 men and 2 women one day's work= $(2 \times 4) + (2 \times 3) = 14$ units

Remaining works = $24 - 14 = 10$ units done by boys

So, 10 units work done by $10 \times 1 = 10$ boys.

Hence, Quantity I < Quantity II.

Question.79. Answer : Option 2

Explanation:

Quantity I: Time taken by Train 1 & Train 2 to reach their destination is 7hrs & 8hrs respectively.

Assume distance between two train is 56 Km LCM of 7hrs & 8hrs.

Time at which both trains meet each other = $(56/15) \times 60 = 224$ Mins

Quantity II: Distance between two trains = $455000/1000 = 455$ Kms

Time at which both trains meet each other = $455/(60+70) = 455/130 \times 60 = 210$ mins

Hence Quantity I > Quantity II

Question.80. Answer : Option 1

Explanation:

Quantity I: $(5\sqrt{6} + \sqrt{6}) \times (4\sqrt{6} + 8\sqrt{6}) - 18^2$

$(20 \times 6) + (40 \times 6) + (4 \times 6) + (8 \times 6) - 324 = ?$

$? = 120 + 240 + 24 + 32 - 324 = 92$

Quantity II: $(\sqrt{9025} \times 51) + 8543 = ?^2 + 1127 + 4865$

$95 \times 51 + 8543 = x^2 + 5992$

$x^2 = 4845 + 8543 - 5992$

$x^2 = 7396$

$x = \sqrt{7396} = 86$

Hence Quantity I > Quantity II

Question.81. Answer : Option 1

Explanation:

$$97 + 1^3 + 1 = 99$$

$$99 + 2^3 + 1 = 108$$

$$108 + 3^3 + 1 = 136$$

$$136 + 4^3 + 1 = 201$$

$$201 + 5^3 + 1 = 327$$

Question.82. Answer : Option 2

Explanation:

$$84 + 1^3 - 1 = 84$$

$$84 + 2^3 - 1 = 91$$

$$91 + 3^3 - 1 = 117$$

$$117 + 4^3 - 1 = 180$$

$$180 + 5^3 - 1 = 304$$

Question.83. Answer : Option 1

Explanation:

$$28 + 24 = 52$$

$$52 + 48 = 100$$

$$100 + 72 = 172$$

$$172 + 96 = 268$$

$$268 + 120 = 388$$

Question.84. Answer : Option 4

Explanation:

$$521 - 27 = 494$$

$$494 - 54 = 440$$

$$440 - 81 = 359$$

$$359 - 108 = 251$$

$$251 - 135 = 116$$

Question.85. Answer : Option 3

Explanation:

$$45 \times 0.5 - 0.5 = 22$$

$$22 \times 1 - 1 = 21$$

$$21 \times 1.5 - 1.5 = 30$$

$$30 \times 2 - 2 = 58$$

$$58 \times 2.5 - 2.5 = 142.5$$

Question.86. Answer : Option 2

Explanation:

$$\begin{aligned} \text{Surface area of four walls} &= 2(L + B) H = 2(16 + 12) \times 8 \\ &= 448 \text{ m}^2 \end{aligned}$$

$$\text{Area of 2 windows} = 2 \times (5/2) = 5 \text{ m}^2$$

$$\text{Area of door} = 2 \times (7/2) = 7 \text{ m}^2$$

$$\text{Wall paper to be papered} = 448 - 5 - 7 = 436 \text{ m}^2$$

$$\text{Paper} = 80\text{cm} = 0.80 \text{ m}$$

$$\text{Area of the papered} = L \times B$$

$$436 = L \times 0.80$$

$$L = 545 \text{ m}$$

$$\text{Cost} = 545 \times 1.50 = \text{Rs } 817.50$$

Question.87. Answer : Option 4

Explanation:

Let total Profit be x.

$$\text{Amount received by Mrigank (from the total profit)} = 125 \times 12 = 1800$$

$$\text{Amount received by Mehul (from Mrigank) as interest} = 10\% \text{ of } 27500 = 2750$$

$$\text{Let total profit} = 2x + 1800$$

Then, Mrigank and Mehul gets x as share of the profit.

$$\text{Mrigank's total income in the year} = x + 2750$$

$$\text{Mehul's total income in the year} = x + 1800 - 2750 = x - 950$$

$$2(x - 950) = x + 2750$$

$$2x - 1900 = x + 2750$$

$$x = 4650$$

$$\text{Total yearly profit} = 2x + 1800 = \text{Rs. } 20,400$$

Question.88. Answer : Option 2

Explanation:

Let the fruit seller purchase 100 mangoes in Rs 100

Cost price of 1 mango = Rs 1

He sell 50% of mangoes = $100 \times 50\% = 50$ mangoes

At a profit of 50% of total cost.

So profit = total cost \times 50% = 50% of 100 = Rs 50

Selling price of 50 mangoes = C.P + Profit = 50 + 50 = Rs 100

So profit % = $(50/50) \times 100 = 100\%$

He sells 50 mangoes at the profit of 100%

He sells 80% of the remaining mangoes = $(80/100) \times 100 = 40$ mangoes

Cost price of 40 mangoes = Rs 40

Selling price of 40 mangoes = 125% of 40 = Rs 50

So overall cost price = Rs 100 of 100 mangoes

Overall selling price = 100 + 50 = Rs 150

So profit = 150 – 100 = Rs 50

Profit % = $(50/100) \times 100 = 50\%$

Question.89. Answer : Option 2

Explanation:

18 years ago,

The sum of age of a family of four members = $45 \times 4 = 180$ years

Now at present,

The sum of age of four members = $180 + 18 \times 4 = 252$ years

Let the Present age of younger child be x years

And the present age of older child = $(x + 12)$ years

Now, as per the question

$$252 + x + 12 + x = 45 \times 6$$

$$2x = 270 - 264$$

$$2x = 6$$

$$x = 3$$

Hence the required ratio = $(3+12) : 3$

$$= 15 : 3 = 5 : 1$$

Question.90. Answer : Option 3

Explanation:

Given the ratio of the circumference of front wheel is 50 inches and back wheel is 80 inches

Distance covered = Circumference of the wheel \times No. of Revolutions made by the wheel

If 'n' is the number of revolutions made by back wheel, the number of revolutions made by front wheel is $(n + 15)$ Distance covered by both the wheels is the same

$$50 \times (n + 15) = 80 n$$

Therefore $n = 25$

Front wheel : Back Wheel

Circumference 50 : 80

Revolutions 40 : 25

Distance covered = $50 \times 40 = 80 \times 25 = 2000$ inches

Question.91. Answer : Option 1

Explanation:

No. of illiterate male from Chamoli = 80% (700) = 560

No. of illiterate from Chamoli = $(9/20)$ of 2000 = 900

Therefore, No. of illiterate female from Chamoli = $900 - 560 = 340$

No. of female from Chamoli = 65% of (2000) = 1300

% of female, who is illiterate from Chamoli = $(340/1300) \times 100$
= 26.15 (26% approx)

Question.92. Answer : Option 4

Explanation:

No. of Illiterate from Pithoragarh = $(3/5)$ of 750 = 450

No. of Illiterate from Chamoli = $(9/20)$ of 2000 = 900

No. of Illiterate from Uttarkashi = $(2/15)$ of 1500 = 200

No. of Illiterate from Bageshwar = $(1/5)$ of 2750 = 550

No. of Illiterate from Almora = $(3/4)$ of 2500 = 1875

No. of Illiterate from Tehri = $(19/30)$ of 3000 = 1900

Total no. of Illiterate in all villages = $450 + 900 + 200 + 550 + 1875 + 1900 = 5875$

Total no. of people in all villages = $750 + 2000 + 1500 + 2750 + 2500 + 1100 = 12,500$

% of Illiterate people in all villages = $(5875/12,500) \times 100 = 47\%$

Question.93. Answer : Option 3

Explanation:

Illiterate from Chamoli = $2000 - 1100 = 900$

Illiterate from Uttarkashi = $1500 - 1300 = 200$

Illiterate from Bageshwar = $2750 - 2200 = 550$

Male from Pithoragarh = 48% (750) = 360

Male from Almora = 61% (2500) = 1525

Male from Tehri = 25% (3000) = 750

Hence, Required ratio = $(900 + 200 + 550) : (360 + 1525 + 750)$

= 1650:2635

= 330:527

Question.94. Answer : Option 4

Explanation:

Since we don't have enough data for Tehri. We cannot determine the answer.

Question.95. Answer : Option 1

Explanation:

Male from Pithoragarh = 48% of 750 = 360

Male from Uttarkashi = 55% of 1500 = 825

Total = 360 + 825 = 1185

Male from Bageshwar = 30% of 2750 = 825

Male from Tehri = 25% of 3000 = 750

Total = 825 + 750 = 1575 Less% = $[(1575 - 1185) / 1575] \times 100 = (390/1575) \times 100 = 24.76\% = 25\%$ (approx)

Question.96. Answer : Option 3

Explanation:

Sita's present age = x

Ram's present age = 2.5x

Laxman's present age = 7.5x

After 4 years:

Ram's age = 2*Sita's age

$$2.5x+4 = 2(x+4)$$

$$\Rightarrow 0.5x = 8 - 4$$

$$\Rightarrow x = 4/0.5 = 8$$

So, Ram's present age = 2.5x = 2.5*8 = 20 years

Question.97. Answer : Option 4

Explanation:

$$S.I = PTR/100$$

$$(85000 \times R1 \times 4)/100 - (85000 \times R2 \times 4)/100 = 10200$$

$$\Rightarrow 340000 (R1-R2) = 10200*100$$

$$\Rightarrow (R1-R2) = 10200*100/340000 = 3\%$$

Question.98. Answer : Option 2

Explanation:

Total number of ways = (1 + 5 + 2) = 8!

Now, consider 2 watches as one unit.

Total number of watches $(1 + 5 + 1) = 7$

Again, 2 watches can be arranged in $2!$ ways and total 7 caps can be arranged in $7!$

Required no of ways = $8! - (7! \times 2!)$

= $40320 - 10080$

= 30240

Question.99. Answer : Option 2

Explanation:

Let the distance be 'x' km.

Difference in time at 2 speed = $7 + 5 = 12$ min or $1/5$ hrs

So, $x/50 - x/60 = 1/5$

=> $6x - 5x = 300/5$

=> $x = 60$ km

Question.100. Answer : Option 2

Explanation:

| Person | No. of days they worked | Percentage of work done to complete the project | No. of days (100%) |
|--------|-------------------------|---|--------------------|
| P | 10 | 25% | 40 |
| Q | 5 | 20% | 25 |
| R | 15 | 20% | 75 |
| S | 12 | 25% | 48 |
| T | 9 | 10% | 90 |

P does 25% work in 10 days. so 100% work in $100 \times 10/25 = 40$ days Similarly Q can complete 100% work in $100 \times 5/20 = 25$ days They worked for 10 days, so they did = $(1/40 + 1/25) \times 8 = (13 \times 8)/200 = 13/25$ work.

Now R completed 20% = $1/5$ work So, remaining work = $1 - (13/25 + 1/5) = 7/25$ work G complete $7/25$ work in 14 days, so he completed his work in $14 \times 25/7 = 50$ days.

Alternate Method:

P does 25% work in 10 days. So 100% work in $100 \times 10/25 = 40$ days Similarly Q can complete 100% work in $100 \times 5/20 = 25$ days

Let total work = LCM (40 & 25) = 200 units

So P's 1 day work = $200/40 = 5$ units & Q's 1 day work = $200/25 = 8$ units

So (P+Q)'s 8 days work = $(8+5) \times 8 = 104$ units

So remaining work = $200 - 104 = 96$ units, after that R does 20% work means $200 \times 20\% = 40$ units

Now remaining work = $96 - 40 = 56$ units which is done by G in 14 days so G's 1 day work $56/14 = 4$ units

Hence G alone will complete the whole work in = $200 / 4 = 50$ days

Question.101. Answer : Option 2

Explanation:

The 62nd National shooting championships, rifle and pistol, got underway at the Vattiyoorkavu shooting ranges, Thiruvananthapuram in Nov 2018. Over 6000 shooters had taken part in the premier event which was concluded on December 7.

Question.102. Answer : Option 2

Explanation:

The weight of a school bag in Delhi is officially fixed, states a Delhi government circular from Nov 2018. It says school bags for students in Class I and II should not be above 1.5 kg; for Classes III to V (2-3 kg), Classes VI-VII (4 kg), Classes VIII—IX (4.5 kg), and Class X (5 kg). The circular also asks schools not to assign any home work to Class I and II children.

Question.103. Answer : Option 4

Explanation:

India will host the G20 Summit In 2022, when the country celebrates its 75th year of Independence.

"In 2022 India completes 75 years since Independence. In that special year, India looks forward to welcoming the world to the G-20 Summit! Come to India, the world's fastest growing large economy! Know India's rich history and diversity, and experience the warm Indian hospitality," PM Modi tweeted.

Question.104. Answer : Option 2

Explanation:

The government of Odisha has launched the Krushak Assistance for Livelihood and Income Augmentation (KALIA) scheme, which would benefit about 92% of the farmers in the State. The government has earmarked Rs 10,180 Crore for KALIA in 3 years. The scheme will provide financial, livelihood, cultivation support along with insurance support to small, marginal and the landless farmers.

Question.105. Answer : Option 2

Explanation:

The currency used in Ukraine is the Ukrainian hryvnia. The sign used to denote it is ₴ and its ISO code is UAH.

Question.106. Answer : Option 1

Explanation:

Nagzira wildlife sanctuary is located between Bhandara district and Gondia district of Maharashtra at. Nagzira Wildlife Sanctuary is locked in the arms of nature and adorned with a picturesque landscape, luxuriant vegetation and serves as a living outdoor museum to explore and appreciate nature.

Question.107. Answer : Option 2

Explanation:

India, Afghanistan and Iran in Oct held their first trilateral meeting on Chabahar port project during which they reviewed its implementation.

Question.108. Answer : Option 1

Explanation:

One of the earliest Buddhist settlements in Odisha, Lalitgiri, where excavations have yielded ancient seals and inscriptions, has been converted into a museum. Prime Minister Narendra Modi inaugurated the museum through video conference from Bhubaneswar in Dec, 2018.

Question.109. Answer : Option 1

Explanation:

Mauritius remained the top source of foreign direct investment into India in 2017-18 followed by Singapore, whereas total FDI stood at USD 37.36 billion in the financial year, a marginal rise over the USD 36.31 billion recorded in the previous fiscal, according to RBI data in Sep 2018.

Question.110. Answer : Option 1

Explanation:

Rating agency IcrA has downgraded the long-term rating for National Insurance Company (NIC) from AA+ to AA.

Question.111. Answer : Option 2

Explanation:

State-owned India Post Payments Bank (IPPB) and private life insurer Bajaj Allianz Life Insurance Co Ltd (BALIC) on 18 Sep, 2018 entered into a strategic partnership to provide life insurance solutions, especially at the doorstep of every household in the country.

This partnership will leverage IPPB's last mile reach for building awareness about life insurance. Both the companies came together today, to formally sign the Corporate Agency Agreement.

Question.112. Answer : Option 3

Explanation:

In 2009, Indira Jaising became the first woman to be appointed Additional Solicitor General of India.

Question.113. Answer : Option 3

Explanation:

Gyan Prakash who is the author of Emergency Chronicles: Indira Gandhi and Democracy's Turning Point, is the Dayton-Stockton Professor of History at Princeton University. His many books include Mumbai Fables: A History of an Enchanted City (Princeton), Bonded Histories: Genealogies of Labor Servitude in Colonial India, and Another Reason: Science and the Imagination of Modern India (Princeton).

Question.114. Answer : Option 3

Explanation:

iMobile is ICICI Bank's official mobile banking application. iMobile, the most comprehensive and secure Mobile Banking application, getting payments done through Unified Payment Interface (UPI), offers over 170 banking services on your mobile.

Question.115. Answer : Option 5

Explanation:

The Ujh dam is a proposed hydroelectricity and irrigation multipurpose project in the Kathua district of Jammu over the Ravi river with a capacity to generate 196 MW of electricity. The Central Water Commission (CWC) has prepared a Rs 4,750 crore Detailed Project Report (DPR) of Ujh multipurpose project including construction of a dam on river Ujh.

Question.116. Answer : Option 2

Explanation:

Dilip Tirkey, hailing from Sundargarh, Odisha, is a former Indian Odia hockey player and his playing position was of full back. He was best known for his penalty corner hit.

Question.117. Answer : Option 5

Explanation:

ICICI Lombard General Insurance Company Limited is a joint venture between ICICI Bank Limited, India's second largest bank with total assets of over USD 100 billion and Fairfax Financial Holdings Limited, a Canada-based USD 37 billion diversified financial services company engaged in general insurance, reinsurance, insurance claims management and investment management.

Question.118. Answer : Option 1

Explanation:

Actuary of the life insurance company determines the risk coverage for calculation of premium for life insurance policies.

Question.119. Answer : Option 1

Explanation:

Jagdish Thakkar, veteran journalist, PRO in PMO and long-time media advisor of PM Modi, has passed away on Dec 10, 2018.

Question.120. Answer : Option 4

Explanation:

Tajinder Mukherjee has been appointed as the new Chairman and Managing Director of National Insurance Company Limited (NIC) on Sep 15, 2018.

Question.121. Answer : Option 2

Explanation:

On 9th January 2019, IRCTC tied up with Bharti AXA General insurance company to provide free travel insurance to the air travellers. This insurance is applicable to only those who book a ticket in the official website of air ticketing irctc, IRCTC Air –air.irctc.co.in. Through this tie-up, every passenger would be availed of insurance upto 50 lakhs in case of accidental death or lifetime disability. This

facility is made available to everyone irrespective of class of travel. The premium of the insurance will be borne by Irctc itself and it is applicable to both one way and round way travels.

Question.122. Answer : Option 3

Explanation:

In Jan, 2019 Chief Minister Pema Khandu inaugurated India's longest 300 m single lane steel cable suspension bridge over Siang river in Arunachal Pradesh's Upper Siang district bordering China. The bridge is also known as byorong bridge. The bridge will reduce the distance between Yingkiang and Tuting in Arunachal Pradesh by almost 40 km.

Question.123. Answer : Option 2

Explanation:

On 08 Jan 2019, a Memorandum of Understanding (MoU) was signed between the Indian Army and PNB on the Defence Salary Package. The signing ceremony was chaired by the Adjutant General, Lt Gen Ashwani Kumar and was attended by top dignitaries of PNB headed by Mr. Naveen Kumar.

Question.124. Answer : Option 4

Explanation:

The International Cricket Council (ICC) welcomed USA Cricket as its 105th member. As a Member of the ICC, USA Cricket is now eligible to receive funding in accordance with the ICC Development Funding Policy and can sanction domestic and international cricket in the United States.

Question.125. Answer : Option 1

Explanation:

On 9th January 2019, World Bank projected India's GDP to grow at 7.3% in the fiscal year 2018-19, and 7.5% in the following two years. The Bank said India will continue to be the fastest growing major economy in the world.

Question.126. Answer : Option 5

Explanation:

Insurance regulator Insurance Regulatory and Development Authority of India (IRDAI) has constituted a 16-member committee to examine motor third party insurance pricing aspects and make recommendations on the premium rates for 2019-20. IRDAI Member P.J. Joseph has been appointed as the Chairman of the committee.

Question.127. Answer : Option 5

Explanation:

Ex Cope India-18 was the fourth edition in the series of Bilateral Joint exercise held between IAF and USAF, which was conducted in India.

Question.128. Answer : Option 4

Explanation:

The Prime Minister, Shri Narendra Modi, inaugurated the **fourth Partners' Forum** on 12th December at New Delhi.

Question.129. Answer : Option 1

Explanation:

The Indian Agricultural Research Institute (IARI), commonly known as the Pusa Institute, is India's national Institute for agricultural research, education and extension. The name Pusa Institute is derived from the fact that the institute was originally located in Pusa Bihar as the Imperial Institute of Agricultural Research in 1911. It was then renamed as the Imperial Agricultural Research Institute in 1919 and following a major earthquake in Pusa, it was relocated to Delhi in 1936. The current institute in Delhi is financed and administered by the Indian Council of Agricultural Research (ICAR).

Question.130. Answer : Option 5

Explanation:

Indian Bank is an **Indian** state-owned financial services company established in 1907 and headquartered in Chennai, India.

Question.131. Answer : Option 5

Explanation:

In Dec, The Cabinet okayed Gaganyaan, India's human spaceflight programme, which will see a 3-member crew spend a minimum of 7 days in space at an overall cost of Rs 10,000 crore. The space programme, the largest ever, will make India the fourth country to send a human to space.

Question.132. Answer : Option 2

Explanation:

An insurance Ombudsman is appointed for a term of three years or till the incumbent attains the age of sixty five years, whichever is earlier. Re-appointment is not permitted. The institution of Insurance Ombudsman was created by a Government of India Notification dated 11th November, 1998 with the purpose of quick disposal of the grievances of the insured customers and to mitigate their problems involved in redressal of those grievances.

Question.133. Answer : Option 2

Explanation:

On Dec 28, Prime Minister Narendra Modi Friday announced a Rs 4,500-crore financial assistance to Bhutan to help the country implement its 12th five-year plan, after he held wide-ranging talks with his Bhutanese counterpart Lotay Tshering.

Question.134. Answer : Option 4

Explanation:

HDFC Mutual Fund has surpassed ICICI Prudential MF to regain top position after two years as the largest asset management company (AMC). While HDFC MF looks after assets worth Rs 3.35 lakh crore, ICICI Prudential MF manages Rs 3.08 lakh crore, according to AMFI data.

Question.135. Answer : Option 2

Explanation:

UNHCR was created in 1950, during the aftermaths of World War II. Its headquarters are in Geneva, Switzerland and it is a member of the United Nations Development Group.

Question.136. Answer : Option 3

Question.137. Answer : Option 4

Explanation:

April 18 – World Heritage Day

April 5 – National Maritime Day of India

April (last Saturday) – World Veterinary Day

April 29 – World Dance Day

April 26 – World Intellectual Property Day

Question.138. Answer : Option 1

Explanation:

The India Autism Centre (IAC), a world-class autism township is being planned to be built near Kolkata, where children and adults suffering from the developmental disorder would receive training, treatment and boarding facilities. The one-of-its-kind initiative is a joint effort between a private firm and the state government. It is expected to come up over a 52-acre plot at Sirakol in South 24 Parganas in the next five years.

Question.139. Answer : Option 2

Explanation:

Bajaj Allianz Life Insurance is a joint venture between Bajaj Finserv Limited (formerly part of Bajaj Auto Limited) owned by the Bajaj Group of India and Allianz SE, a European financial services company. Its tagline is 'Jiyo Befikar'.

Question.140. Answer : Option 5

Explanation:

Life insurance companies must compulsorily pay all claims made three years after the date of commencement of a policy, according to a recent clarification issued by the sector regulator. No exceptions allowed. If there is fraud, mis-statement or non-disclosure by the policyholder, the insurance company may discover and act on it within the three-year deadline. After that, the policy cannot be called into question. The development is good news for consumers. The Insurance Regulatory and Development Authority of India (Irdai) on 28 October made this clarification after insurers approached it over the change introduced in the Insurance Laws (Amendment) Act 2015.

Question.141. Answer : Option 1

Explanation:

On 30th January 2019, 'Kisan Suvidha loan' for small and marginal farmers launched by Ujjivan Small Finance Bank. The scheme will attempt to reach the bottom of the pyramid with products and services. Kisan Suvidha loan can be used by farmers for both agriculture and allied activities. The product is specially designed to cater to the needs of customers for various allied and agricultural activities. Ujjivan Small Finance Bank launched the product in Tamil Nadu, West Bengal, Karnataka and Odisha with an eye to expand the product offerings. It provides loans to individuals with an amount ranging from Rs. 60000 to Rs. 2 Lakh to fulfill the customized needs of the mass market segment. The loan does not require any collateral. Ujjivan becomes the 1st bank to offer loans for agriculture and allied activities.

Question.142. Answer : Option 4**Explanation:**

The Securities and Exchange Board of India (SEBI) proposed a new set of framework for REITs (Real Estate Investment Trusts) and InvITs (Infrastructure Investments Trusts) in order to provide flexibility to issuers in terms of fundraising and increasing the access of these investment vehicles to investors because despite of various relaxations given by SEBI, these investment vehicles have failed to attract investors.

Question.143. Answer : Option 4**Explanation:**

In a bid to connect directly with beneficiaries, ensuring greater transparency and efficiency in delivery of services, the PM Narendra Modi government has launched PAiSA – Portal for Affordable Credit and Interest Subvention Access.

Question.144. Answer : Option 1**Explanation:**

Microsoft India has launched a new e-commerce platform re-weave.in for handloom weavers under its Project ReWeave, part of its philanthropic initiatives. This e-commerce platform will help connect artisans to buyers directly, enabling them to expand to newer customers and markets. The new e-commerce website hosts signature collections created by weaver communities and showcases traditional designs and products created from natural dyes. This e-marketplace will help sell to a broad set of customers, helping weavers to increase their income and earn a sustainable livelihood, while also reviving forgotten Indian art.

Question.145. Answer : Option 4**Explanation:**

Mountaineer Satyarup Siddhanta on Wednesday became the youngest man to climb the seven highest peaks and volcanic summits across all continents after conquering Antarctica's highest point Mount Sidley.

Question.146. Answer : Option 1**Explanation:**

A bill for strengthening the rights of consumers and providing a mechanism for redressal of their complaints regarding defects in goods and deficiency in services was passed by the Lok Sabha.

The Consumer Protection Bill 2018, which will replace the Consumer Protection Act, 1986, will now go to the Rajya Sabha for passage.

Question.147. Answer : Option 2**Explanation:**

India will surpass China to become the second largest oil demand growth centre globally in 2019 on back of buoyant auto fuel and LPG consumption. In a report, Wood Mackenzie said India's oil demand growth recovered strongly in 2018, overcoming the aftermath of the implementation of Goods and Services Tax (GST) and demonetisation, and contributed 14 per cent of the global demand growth or 2,45,000 barrels per day.

Question.148. Answer : Option 2

Explanation:

Senior Congress leader Bhupesh Baghel was appointed the new chief minister of Chhattisgarh, ending the suspense after days of intense deliberations with top party leadership headed by president Rahul Gandhi.

Question.149. Answer : Option 3

Explanation:

The Lok Sabha passed the Consumer Protection Bill, 2018 that seeks to replace the Consumer Protection Act, 1986. The Bill enforces consumer rights and provides a mechanism for redressal of complaints regarding deficiencies in goods and services.

Question.150. Answer : Option 1

Explanation:

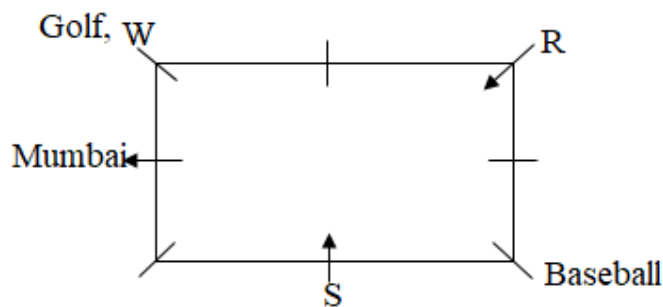
The Polavaram irrigation project in Andhra Pradesh on Monday created two Guinness world records for “pouring the highest amount of concrete” and “largest continuous concrete pour in 24 hours”. The world record attempts by Navayuga Engineering Co. Ltd, which has taken up some of the project work, began on Sunday morning at 8 am and ended on Monday at 8 am. The Polavaram irrigation project is located in West Godavari district of Andhra Pradesh.

Question.151. Answer : Option 1

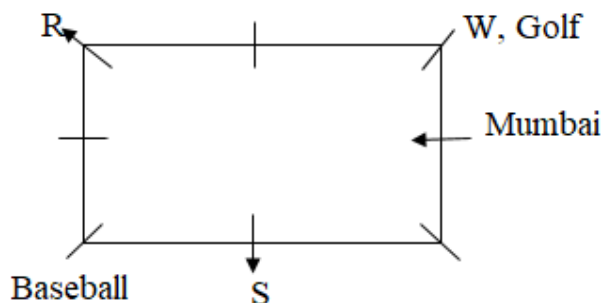
Explanation:

R sits third to the right of S. The one who likes Mumbai sits third to the right of R. S does not like Mumbai. W likes Golf and sits on the immediate right of the one who likes Mumbai. The one who likes Baseball sits opposite to the one who likes Golf. R does not like Baseball.

Case 1:

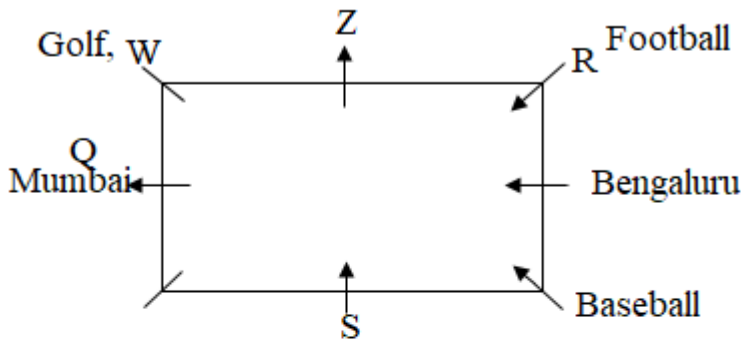


Case 2:

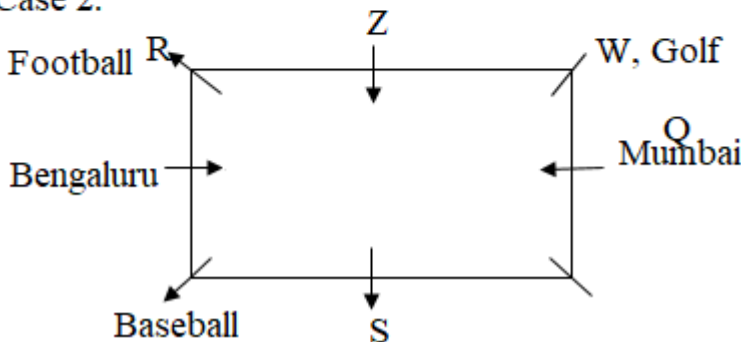


Z sits third to the right of the one who likes Baseball. The one who likes Bengaluru sits second to the right of Z. The one who likes Bengaluru faces Q. The one who likes Football sits third to the right of Q.

Case 1:

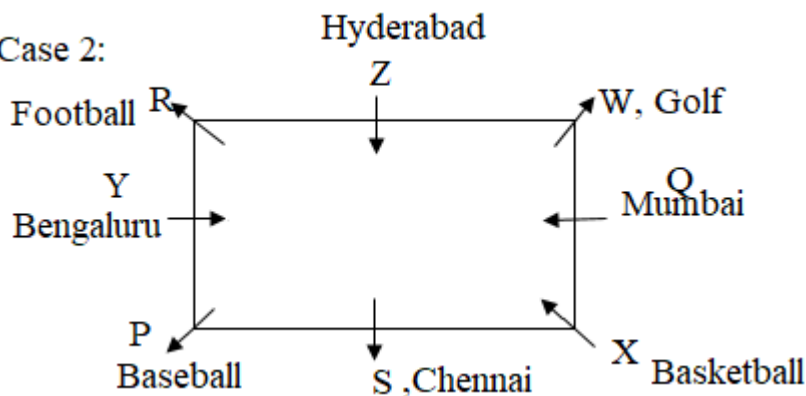


Case 2:



Since it is given that the one who likes Bengaluru faces Q. So case 1 gets eliminated as Q and the one who likes Bengaluru faces opposite direction. Now moving further, the one who likes Basketball sits third to the right of Y. Y and W face opposite direction. The one who likes Hyderabad sits third to the right of X, who faces inside.

Case 2:

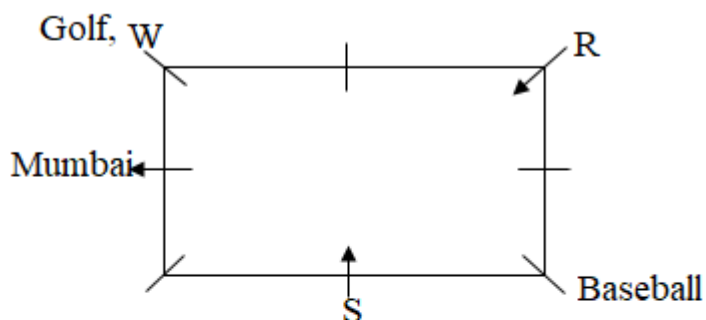


Question.152. Answer : Option 5

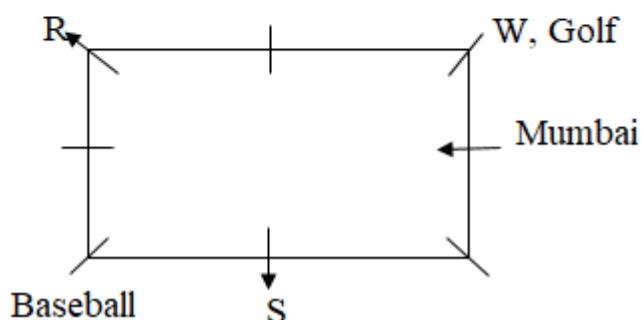
Explanation:

R sits third to the right of S. The one who likes Mumbai sits third to the right of R. S does not like Mumbai. W likes Golf and sits on the immediate right of the one who likes Mumbai. The one who likes Baseball sits opposite to the one who likes Golf. R does not like Baseball.

Case 1:

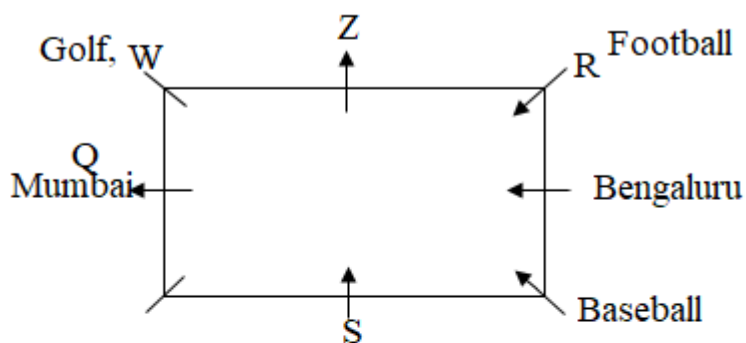


Case 2:

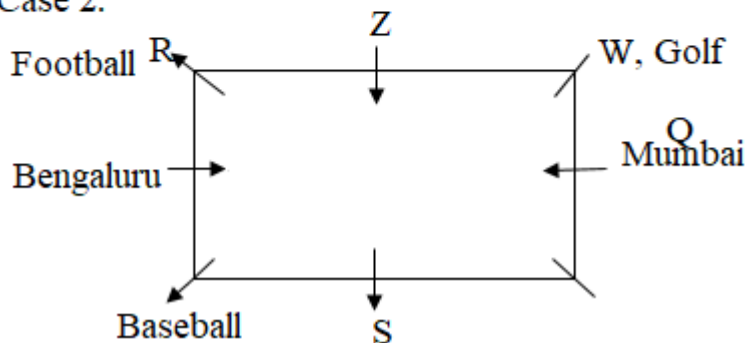


Z sits third to the right of the one who likes Baseball. The one who likes Bengaluru sits second to the right of Z. The one who likes Bengaluru faces Q. The one who likes Football sits third to the right of Q.

Case 1:

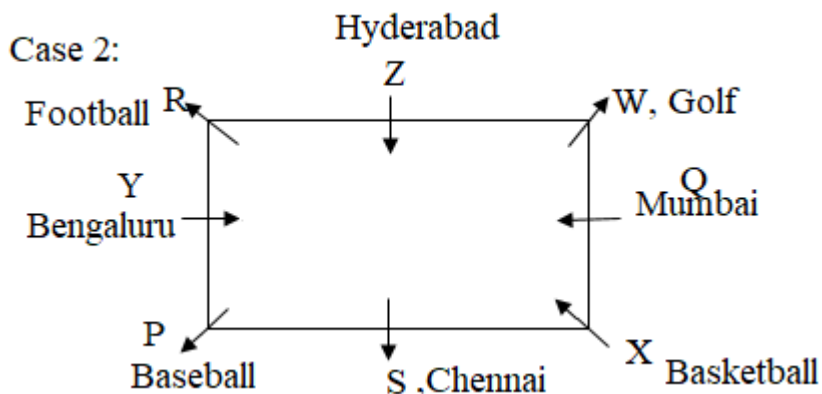


Case 2:



Since it is given that the one who likes Bengaluru faces Q. So case 1 gets eliminated as Q and the one who likes Bengaluru faces opposite direction. Now moving further, the one who likes Basketball sits

third to the right of Y. Y and W face opposite direction. The one who likes Hyderabad sits third to the right of X, who faces inside.

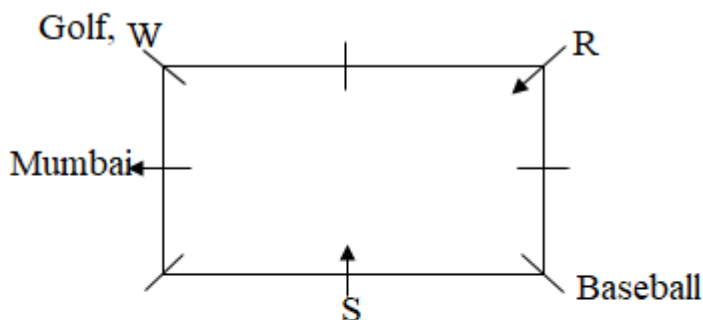


Question.153. Answer : Option 3

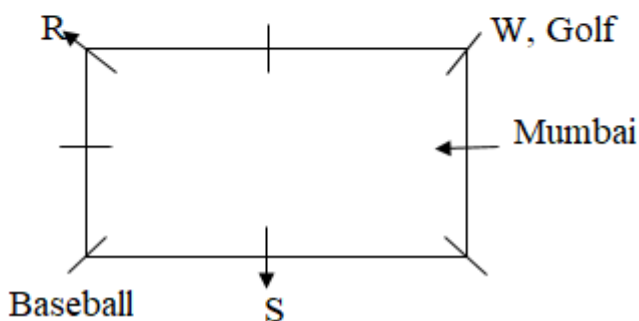
Explanation:

R sits third to the right of S. The one who likes Mumbai sits third to the right of R. S does not like Mumbai. W likes Golf and sits on the immediate right of the one who likes Mumbai. The one who likes Baseball sits opposite to the one who likes Golf. R does not like Baseball.

Case 1:

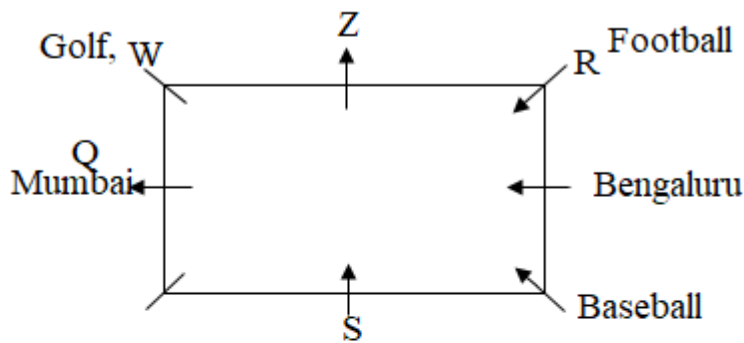


Case 2:

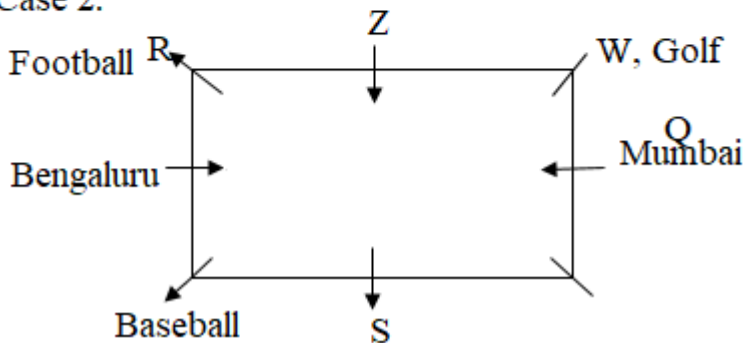


Z sits third to the right of the one who likes Baseball. The one who likes Bengaluru sits second to the right of Z. The one who likes Bengaluru faces Q. The one who likes Football sits third to the right of Q.

Case 1:

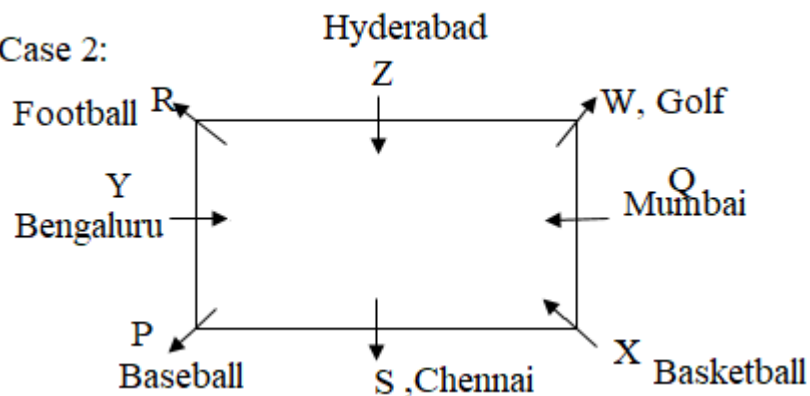


Case 2:



Since it is given that the one who likes Bengaluru faces Q. So case 1 gets eliminated as Q and the one who likes Bengaluru faces opposite direction. Now moving further, the one who likes Basketball sits third to the right of Y. Y and W face opposite direction. The one who likes Hyderabad sits third to the right of X, who faces inside.

Case 2:

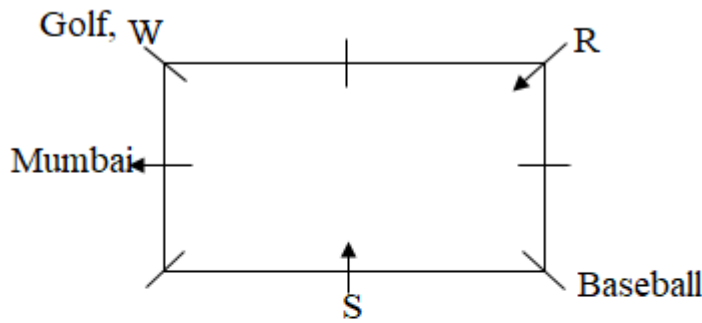


Question.154. Answer : Option 1

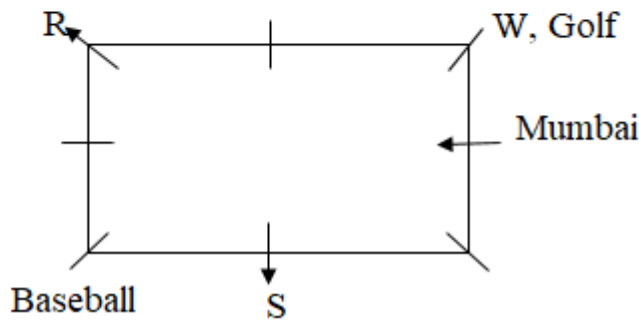
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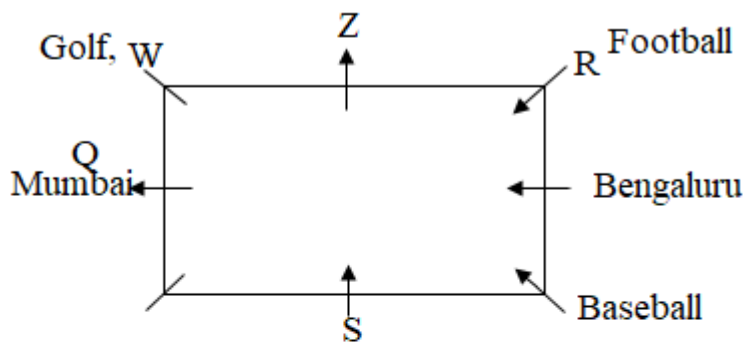


Case 2:

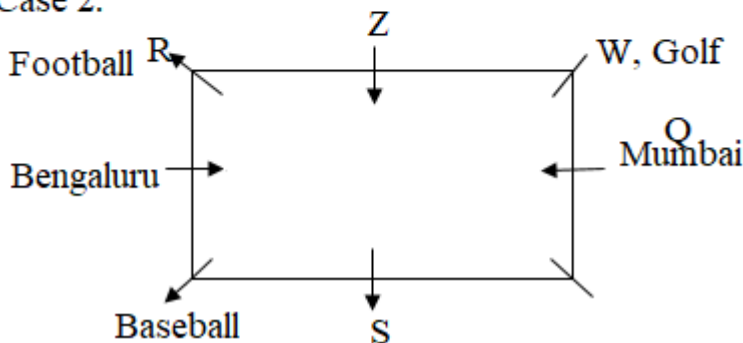


Z sits third to the right of the one who likes Baseball. The one who likes Bengaluru sits second to the right of Z. The one who likes Bengaluru faces Q. The one who likes Football sits third to the right of Q.

Case 1:

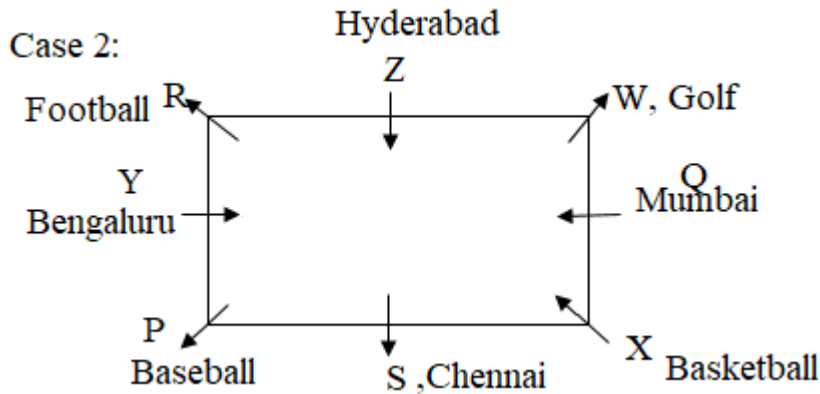


Case 2:



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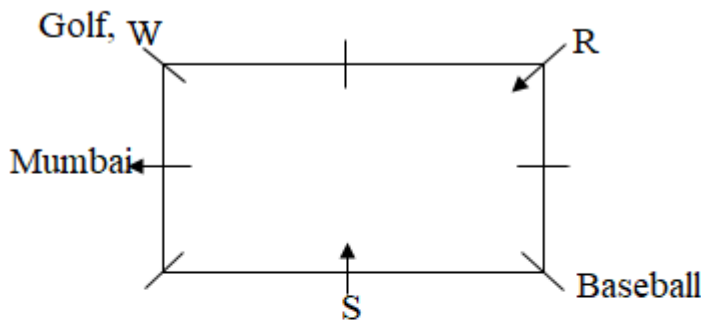


Question.155. Answer : Option 3

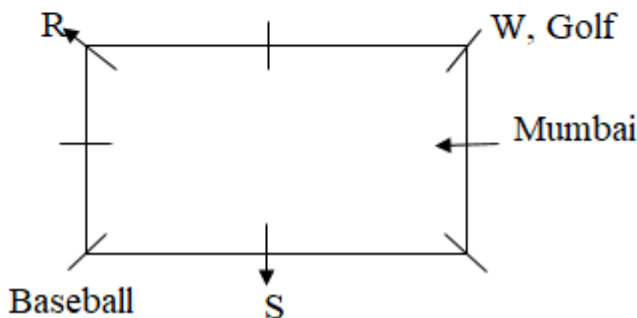
Explanation:

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Case 1:

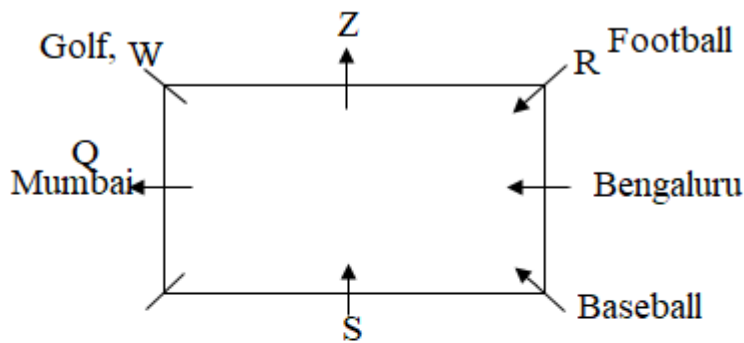


Case 2:

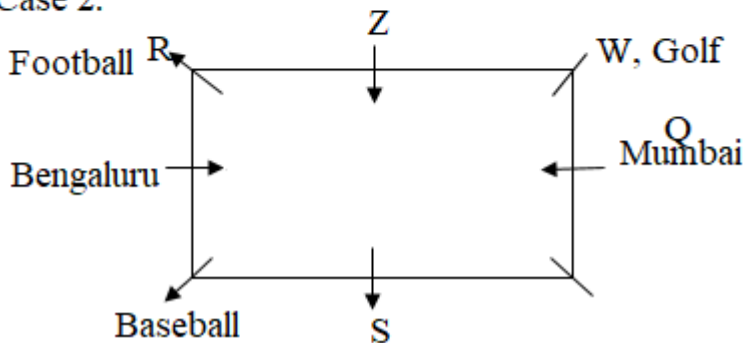


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Case 1:

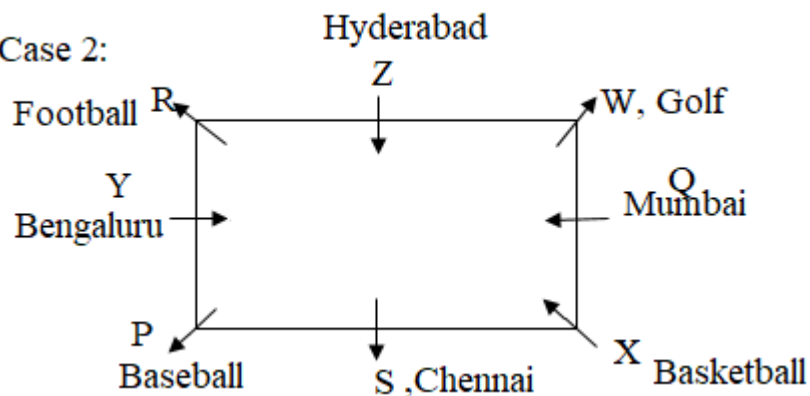


Case 2:



Since it is given that the one who likes Bengaluru faces Q. So case 1 gets eliminated as Q and the one who likes Bengaluru faces opposite direction. Now moving further, the one who likes Basketball sits third to the right of Y. Y and W face opposite direction. The one who likes Hyderabad sits third to the right of X, who faces inside.

Case 2:



Question.156. Answer : Option 3

Explanation:

Only two boxes are placed between box H and box which contains papaya in stack. Only three boxes are placed between Box H and Box P in stack. Box P is second from either top or bottom of the stack. Box which contains apple is placed immediate above box H in stack. Only one box is placed between box Q which contains cherry and box which contains apple in stack. Three boxes are placed between the box which contains cherry and box G in stack.

Case 1:

| Box | Fruits |
|-----|--------|
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |
| | Papaya |
| P | |
| G | |

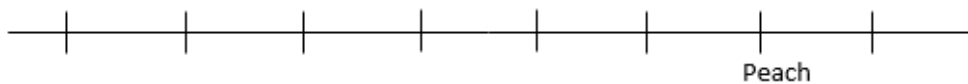
Case 2:

| Box | Fruits |
|-----|--------|
| | |
| P | |
| G | Papaya |
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |

The number of boxes placed above box G is same as below the box which contains orange. There are three boxes in between the box which contains orange and box E which contains guava in stack. By this case 2 will be invalid. Box which contains peach is placed second from the right end in row. Three boxes are placed in row between the box which contains peach and the box which was at bottommost position in stack.

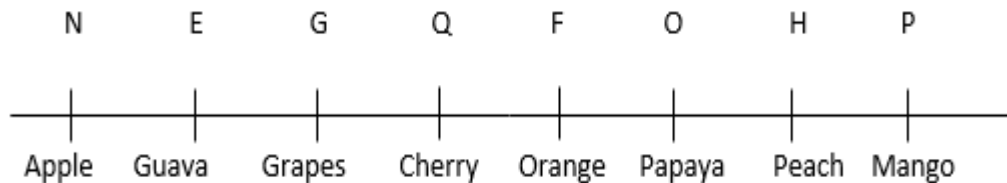
| Box | Fruits |
|-----|--------|
| | Orange |
| | Apple |
| H | |
| Q | Cherry |
| E | Guava |
| | Papaya |
| P | |
| G | |

G



The number of boxes placed below box O in stack is same as to the east of it in row. Box O is not placed to the west of box G. Therefore O must contain papaya as it cannot be placed at the top two positions. Box which contains orange is placed adjacent to box O in row. Box N is placed below box F in stack. Therefore F contains orange and N contains apple. Box which contains apple is at left end and box which contains mango is at right end. Box E and N are adjacent to each other in row. Four boxes are placed between box E and box H in row. Therefore box H contains peach. Box which contain grapes is adjacent to box which contains cherry in row. Therefore G contains grapes, box P contains mango. Final arrangement will be –

| Box | Fruits |
|-----|--------|
| F | Orange |
| N | Apple |
| H | Peach |
| Q | Cherry |
| E | Guava |
| O | Papaya |
| P | Mango |
| G | Grapes |



Question.157. Answer : Option 4

Explanation:

Only two boxes are placed between box H and box which contains papaya in stack. Only three boxes are placed between Box H and Box P in stack. Box P is second from either top or bottom of the stack. Box which contains apple is placed immediate above box H in stack. Only one box is placed between box Q which contains cherry and box which contains apple in stack. Three boxes are placed between the box which contains cherry and box G in stack.

Case 1:

| Box | Fruits |
|-----|--------|
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |
| | Papaya |
| P | |
| G | |

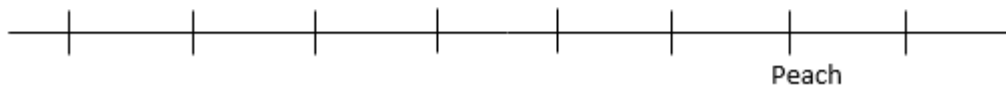
Case 2:

| Box | Fruits |
|-----|--------|
| | |
| P | |
| G | Papaya |
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |

The number of boxes placed above box G is same as below the box which contains orange. There are three boxes in between the box which contains orange and box E which contains guava in stack. By this case 2 will be invalid. Box which contains peach is placed second from the right end in row. Three boxes are placed in row between the box which contains peach and the box which was at bottommost position in stack.

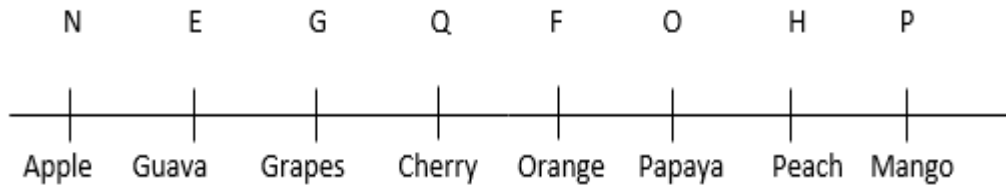
| Box | Fruits |
|-----|--------|
| | Orange |
| | Apple |
| H | |
| Q | Cherry |
| E | Guava |
| | Papaya |
| P | |
| G | |

G



The number of boxes placed below box O in stack is same as to the east of it in row. Box O is not placed to the west of box G. Therefore O must contain papaya as it cannot be placed at the top two positions. Box which contains orange is placed adjacent to box O in row. Box N is placed below box F in stack. Therefore F contains orange and N contains apple. Box which contains apple is at left end and box which contains mango is at right end. Box E and N are adjacent to each other in row. Four boxes are placed between box E and box H in row. Therefore box H contains peach. Box which contain grapes is adjacent to box which contains cherry in row. Therefore G contains grapes, box P contains mango. Final arrangement will be –

| Box | Fruits |
|-----|--------|
| F | Orange |
| N | Apple |
| H | Peach |
| Q | Cherry |
| E | Guava |
| O | Papaya |
| P | Mango |
| G | Grapes |



Question.158. Answer : Option 4

Explanation:

Only two boxes are placed between box H and box which contains papaya in stack. Only three boxes are placed between Box H and Box P in stack. Box P is second from either top or bottom of the stack. Box which contains apple is placed immediate above box H in stack. Only one box is placed between box Q which contains cherry and box which contains apple in stack. Three boxes are placed between the box which contains cherry and box G in stack.

Case 1:

| Box | Fruits |
|-----|--------|
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |
| | Papaya |
| P | |
| G | |

Case 2:

| Box | Fruits |
|-----|--------|
| | |
| P | |
| G | Papaya |
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |



The number of boxes placed above box G is same as below the box which contains orange. There are three boxes in between the box which contains orange and box E which contains guava in stack. By this case 2 will be invalid. Box which contains peach is placed second from the right end in row. Three boxes are placed in row between the box which contains peach and the box which was at bottommost position in stack.

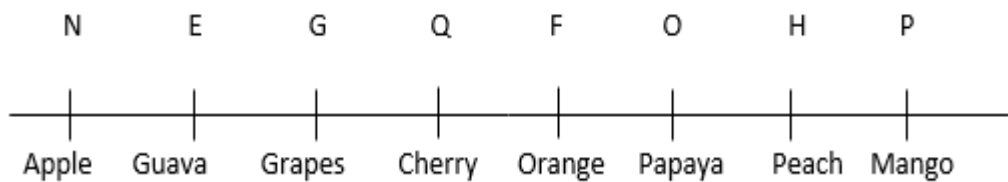
| Box | Fruits |
|-----|--------|
| | Orange |
| | Apple |
| H | |
| Q | Cherry |
| E | Guava |
| | Papaya |
| P | |
| G | |

G



The number of boxes placed below box O in stack is same as to the east of it in row. Box O is not placed to the west of box G. Therefore O must contain papaya as it cannot be placed at the top two positions. Box which contains orange is placed adjacent to box O in row. Box N is placed below box F in stack. Therefore F contains orange and N contains apple. Box which contains apple is at left end and box which contains mango is at right end. Box E and N are adjacent to each other in row. Four boxes are placed between box E and box H in row. Therefore box H contains peach. Box which contain grapes is adjacent to box which contains cherry in row. Therefore G contains grapes, box P contains mango. Final arrangement will be –

| Box | Fruits |
|-----|--------|
| F | Orange |
| N | Apple |
| H | Peach |
| Q | Cherry |
| E | Guava |
| O | Papaya |
| P | Mango |
| G | Grapes |



Question.159. Answer : Option 1

Explanation:

Only two boxes are placed between box H and box which contains papaya in stack. Only three boxes are placed between Box H and Box P in stack. Box P is second from either top or bottom of the stack. Box which contains apple is placed immediate above box H in stack. Only one box is placed between box Q which contains cherry and box which contains apple in stack. Three boxes are placed between the box which contains cherry and box G in stack.

Case 1:

| Box | Fruits |
|-----|--------|
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |
| | Papaya |
| P | |
| G | |

Case 2:

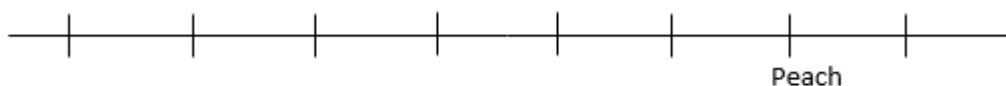
| Box | Fruits |
|-----|--------|
| | |
| P | |
| G | Papaya |
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |



The number of boxes placed above box G is same as below the box which contains orange. There are three boxes in between the box which contains orange and box E which contains guava in stack. By this case 2 will be invalid. Box which contains peach is placed second from the right end in row. Three boxes are placed in row between the box which contains peach and the box which was at bottommost position in stack.

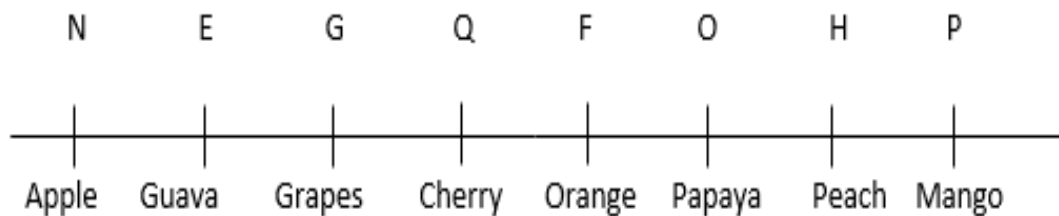
| Box | Fruits |
|-----|--------|
| | Orange |
| | Apple |
| H | |
| Q | Cherry |
| E | Guava |
| | Papaya |
| P | |
| G | |

G



The number of boxes placed below box O in stack is same as to the east of it in row. Box O is not placed to the west of box G. Therefore O must contain papaya as it cannot be placed at the top two positions. Box which contains orange is placed adjacent to box O in row. Box N is placed below box F in stack. Therefore F contains orange and N contains apple. Box which contains apple is at left end and box which contains mango is at right end. Box E and N are adjacent to each other in row. Four boxes are placed between box E and box H in row. Therefore box H contains peach. Box which contain grapes is adjacent to box which contains cherry in row. Therefore G contains grapes, box P contains mango. Final arrangement will be –

| Box | Fruits |
|-----|--------|
| F | Orange |
| N | Apple |
| H | Peach |
| Q | Cherry |
| E | Guava |
| O | Papaya |
| P | Mango |
| G | Grapes |



Question.160. Answer : Option 4

Explanation:

Only two boxes are placed between box H and box which contains papaya in stack. Only three boxes are placed between Box H and Box P in stack. Box P is second from either top or bottom of the stack. Box which contains apple is placed immediate above box H in stack. Only one box is placed between box Q which contains cherry and box which contains apple in stack. Three boxes are placed between the box which contains cherry and box G in stack.

Case 1:

| Box | Fruits |
|-----|--------|
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |
| | Papaya |
| P | |
| G | |

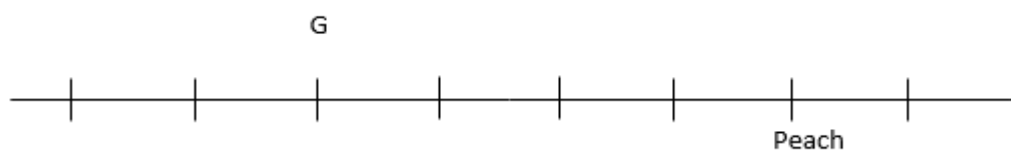
Case 2:

| Box | Fruits |
|-----|--------|
| | |
| P | |
| G | Papaya |
| | |
| | Apple |
| H | |
| Q | Cherry |
| | |



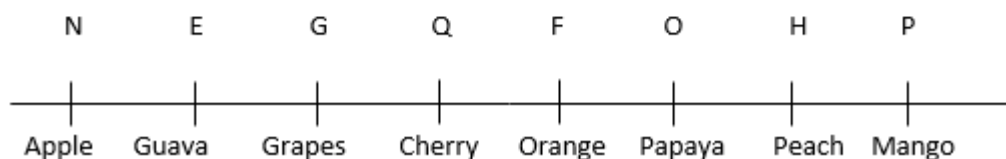
The number of boxes placed above box G is same as below the box which contains orange. There are three boxes in between the box which contains orange and box E which contains guava in stack. By this case 2 will be invalid. Box which contains peach is placed second from the right end in row. Three boxes are placed in row between the box which contains peach and the box which was at bottommost position in stack.

| Box | Fruits |
|-----|--------|
| | Orange |
| | Apple |
| H | |
| Q | Cherry |
| E | Guava |
| | Papaya |
| P | |
| G | |



The number of boxes placed below box O in stack is same as to the east of it in row. Box O is not placed to the west of box G. Therefore O must contain papaya as it cannot be placed at the top two positions. Box which contains orange is placed adjacent to box O in row. Box N is placed below box F in stack. Therefore F contains orange and N contains apple. Box which contains apple is at left end and box which contains mango is at right end. Box E and N are adjacent to each other in row. Four boxes are placed between box E and box H in row. Therefore box H contains peach. Box which contain grapes is adjacent to box which contains cherry in row. Therefore G contains grapes, box P contains mango. Final arrangement will be –

| Box | Fruits |
|-----|--------|
| F | Orange |
| N | Apple |
| H | Peach |
| Q | Cherry |
| E | Guava |
| O | Papaya |
| P | Mango |
| G | Grapes |



Question.161. Answer : Option 3

Explanation:

Only five persons sit between B and G who has Vivo phone. T sits third to left of G and has Hitachi TV.

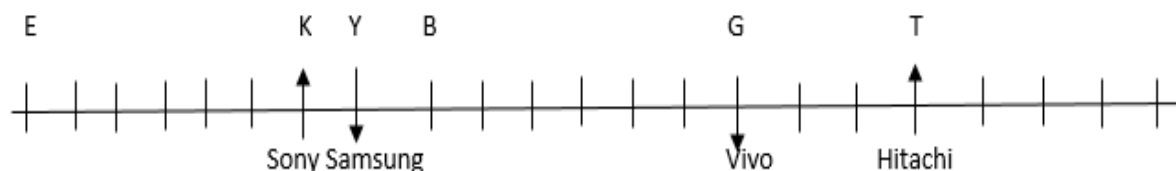
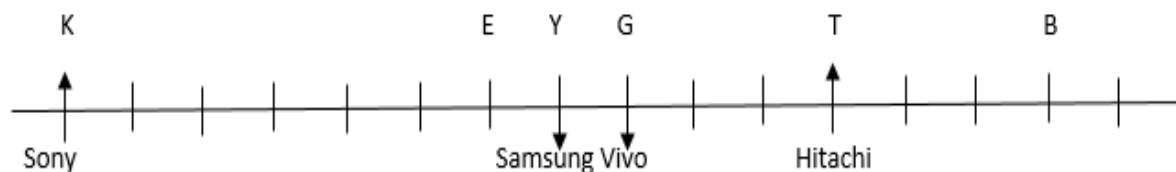
Only four persons sit to the right of T. Only seven persons sit between K and the one who has Vivo phone. K has Sony TV. Y has Samsung phone and sits exactly between K and B. As many persons sit between Y and G as between E and Y.

Question.162. Answer : Option 1

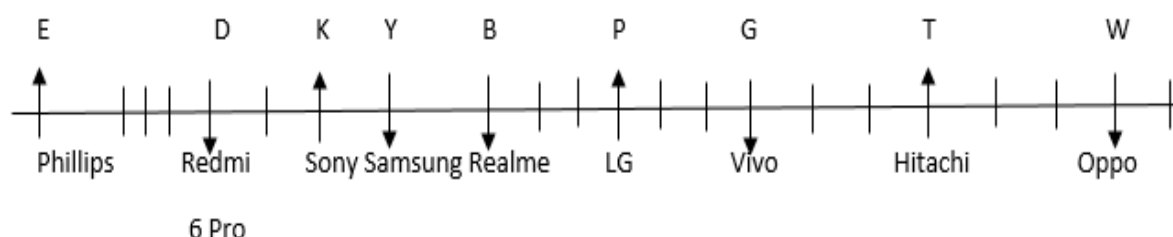
Explanation:

Only five persons sit between B and G who has Vivo phone. T sits third to left of G and has Hitachi TV.

Only four persons sit to the right of T. Only seven persons sit between K and the one who has Vivo phone. K has Sony TV. Y has Samsung phone and sits exactly between K and B. As many persons sit between Y and G as between E and Y.



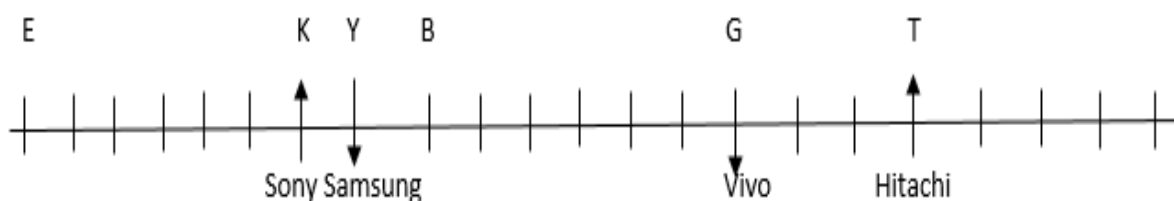
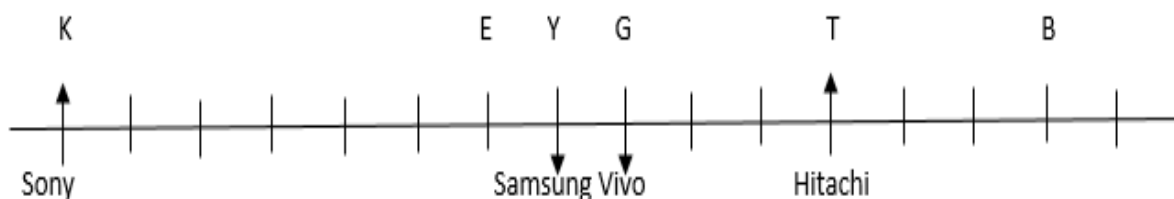
E has Phillips television. D sits fourth to the right of E and has Redmi 6 pro phone. Only six persons sit between D and P who has LG Television. Only four person sits to the right of D. By this Case-1 will be invalid. There are two persons sit between P and the one who has Realme phone. As many persons sit between D and Y as between T and W who has Oppo phone.



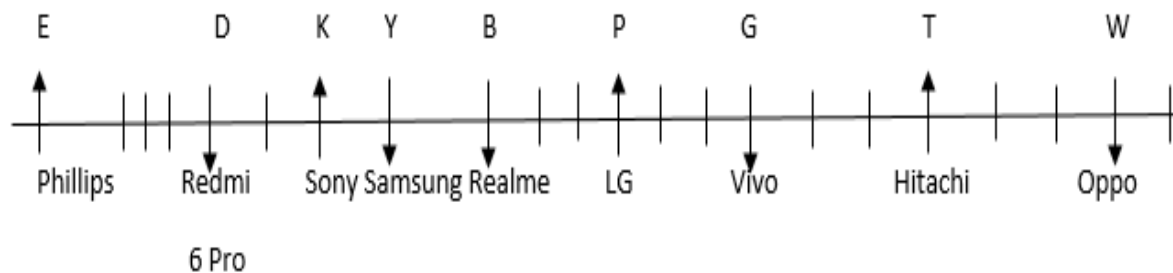
Question.163. Answer : Option 2

Explanation:

Only five persons sit between B and G who has Vivo phone. T sits third to left of G and has Hitachi TV. Only four persons sit to the right of T. Only seven persons sit between K and the one who has Vivo phone. K has Sony TV. Y has Samsung phone and sits exactly between K and B. As many persons sit between Y and G as between E and Y.



E has Phillips television. D sits fourth to the right of E and has Redmi 6 pro phone. Only six persons sit between D and P who has LG Television. Only four person sits to the right of D. By this Case-1 will be invalid. There are two persons sit between P and the one who has Realme phone. As many persons sit between D and Y as between T and W who has Oppo phone.

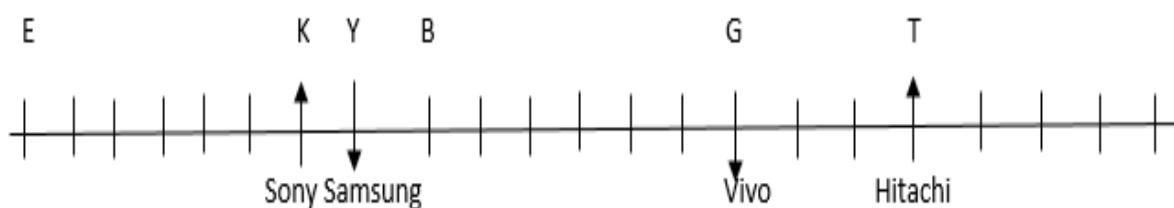
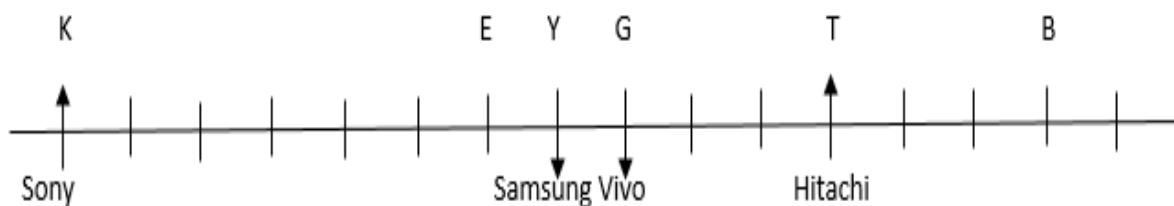


Question.164. Answer : Option 3

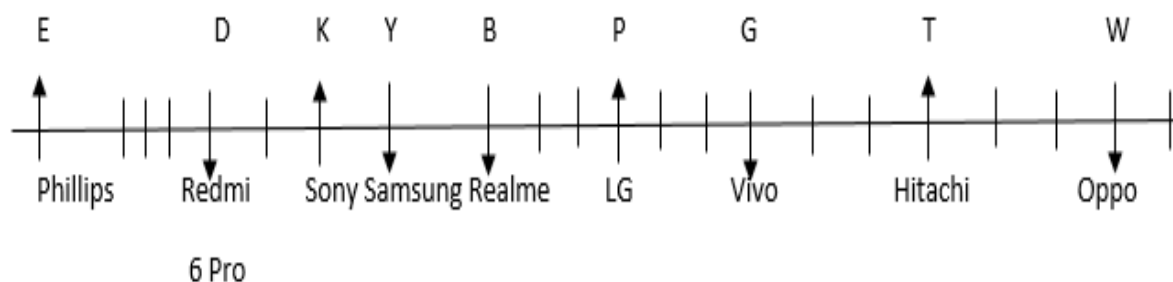
Explanation:

Only five persons sit between B and G who has Vivo phone. T sits third to left of G and has Hitachi TV.

Only four persons sit to the right of T. Only seven persons sit between K and the one who has Vivo phone. K has Sony TV. Y has Samsung phone and sits exactly between K and B. As many persons sit between Y and G as between E and Y.



E has Phillips television. D sits fourth to the right of E and has Redmi 6 pro phone. Only six persons sit between D and P who has LG Television. Only four person sits to the right of D. By this Case-1 will be invalid. There are two persons sit between P and the one who has Realme phone. As many persons sit between D and Y as between T and W who has Oppo phone.

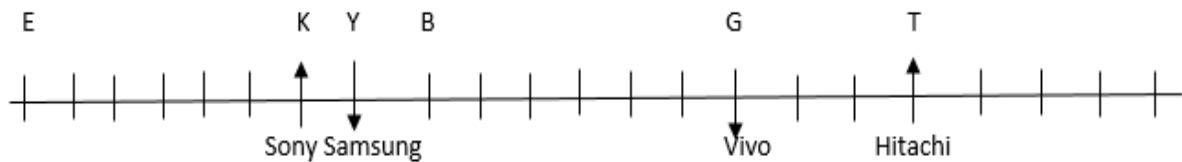
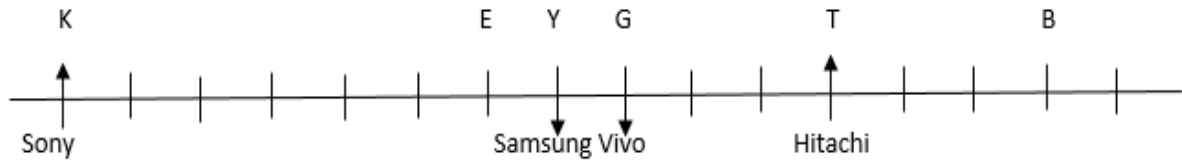


Question.165. Answer : Option 3

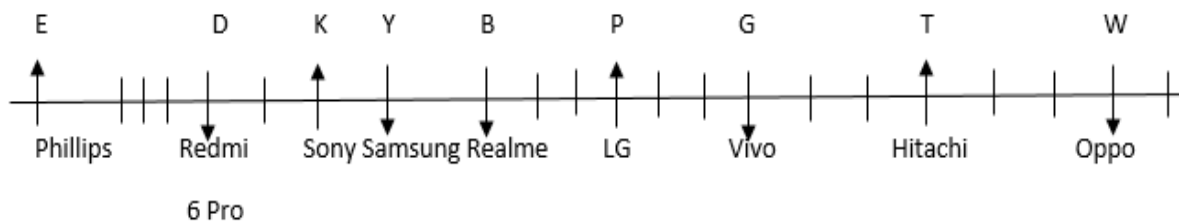
Explanation:

Only five persons sit between B and G who has Vivo phone. T sits third to left of G and has Hitachi TV.

Only four persons sit to the right of T. Only seven persons sit between K and the one who has Vivo phone. K has Sony TV. Y has Samsung phone and sits exactly between K and B. As many persons sit between Y and G as between E and Y.



E has Phillips television. D sits fourth to the right of E and has Redmi 6 pro phone. Only six persons sit between D and P who has LG Television. Only four person sits to the right of D. By this Case-1 will be invalid. There are two persons sit between P and the one who has Realme phone. As many persons sit between D and Y as between T and W who has Oppo phone.



Question.166. Answer : Option 4

Explanation:

| | | | | | | |
|---------------|-----|-----|------|------|-----|-----|
| Input: 29 | 22 | 87 | 56 | 19 | 72 | 39 |
| Step I: 145 | 88 | 435 | 224 | 95 | 288 | 195 |
| Step II: 57 | 523 | 211 | 319 | 193 | 483 | |
| Step III: 35 | 30 | 2 | 27 | 27 | 96 | |
| Step IV: 17.5 | 15 | 1 | 13.5 | 13.5 | 48 | |

In the given arrangement numbers are arranged in the following manner.

Step I. All the even numbers are multiplied by 4 and all the odd numbers are multiplied by 5.

Step II. The numbers are subtracted and then added i.e. $145 - 88 = 57$. Then, $88 + 435 = 523$

Step III. The resultant number is multiplication of digits i.e. $5 \times 7 = 35$

Step IV. The number in the previous step are divided by 2.

Required sum = $57 + 483 = 540$

Question.167. Answer : Option 1

Explanation:

| | | | | | | |
|---------------|-----|-----|------|------|-----|-----|
| Input: 29 | 22 | 87 | 56 | 19 | 72 | 39 |
| Step I: 145 | 88 | 435 | 224 | 95 | 288 | 195 |
| Step II: 57 | 523 | 211 | 319 | 193 | 483 | |
| Step III: 35 | 30 | 2 | 27 | 27 | 96 | |
| Step IV: 17.5 | 15 | 1 | 13.5 | 13.5 | 48 | |

In the given arrangement numbers are arranged in the following manner.

Step I. All the even numbers are multiplied by 4 and all the odd numbers are multiplied by 5.

Step II. The numbers are subtracted and then added i.e. $145 - 88 = 57$. Then, $88 + 435 = 523$

Step III. The resultant number is multiplication of digits i.e. $5 \times 7 = 35$

Step IV. The number in the previous step are divided by 2.

Question.168. Answer : Option 4

Explanation:

| | | | | | | |
|---------------|-----|-----|------|------|-----|-----|
| Input: 29 | 22 | 87 | 56 | 19 | 72 | 39 |
| Step I: 145 | 88 | 435 | 224 | 95 | 288 | 195 |
| Step II: 57 | 523 | 211 | 319 | 193 | 483 | |
| Step III: 35 | 30 | 2 | 27 | 27 | 96 | |
| Step IV: 17.5 | 15 | 1 | 13.5 | 13.5 | 48 | |

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Step I. All the even numbers are multiplied by 4 and all the odd numbers are multiplied by 5.

Step II. The numbers are subtracted and then added i.e. $145 - 88 = 57$. Then, $88 + 435 = 523$

Step III. The resultant number is multiplication of digits i.e. $5 \times 7 = 35$

Step IV. The number in the previous step are divided by 2.

Required product = $1 \times 13.5 = 13.5$

Question.169. Answer : Option 3

Explanation:

| | | | | | | |
|---------------|-----|-----|------|------|-----|-----|
| Input: 29 | 22 | 87 | 56 | 19 | 72 | 39 |
| Step I: 145 | 88 | 435 | 224 | 95 | 288 | 195 |
| Step II: 57 | 523 | 211 | 319 | 193 | 483 | |
| Step III: 35 | 30 | 2 | 27 | 27 | 96 | |
| Step IV: 17.5 | 15 | 1 | 13.5 | 13.5 | 48 | |

In the given arrangement numbers are arranged in the following manner.

Step I. All the even numbers are multiplied by 4 and all the odd numbers are multiplied by 5.

Step II. The numbers are subtracted and then added i.e. $145 - 88 = 57$. Then, $88 + 435 = 523$

Step III. The resultant number is multiplication of digits i.e. $5 \times 7 = 35$

Step IV. The number in the previous step are divided by 2.

Required product = $1 \times 13.5 = 13.5$

Question.170. Answer : Option 2

Explanation:

| | | | | | | |
|---------------|-----|-----|------|------|-----|-----|
| Input: 29 | 22 | 87 | 56 | 19 | 72 | 39 |
| Step I: 145 | 88 | 435 | 224 | 95 | 288 | 195 |
| Step II: 57 | 523 | 211 | 319 | 193 | 483 | |
| Step III: 35 | 30 | 2 | 27 | 27 | 96 | |
| Step IV: 17.5 | 15 | 1 | 13.5 | 13.5 | 48 | |

In the given arrangement numbers are arranged in the following manner.

Step I. All the even numbers are multiplied by 4 and all the odd numbers are multiplied by 5.

Step II. The numbers are subtracted and then added i.e. $145 - 88 = 57$. Then, $88 + 435 = 523$

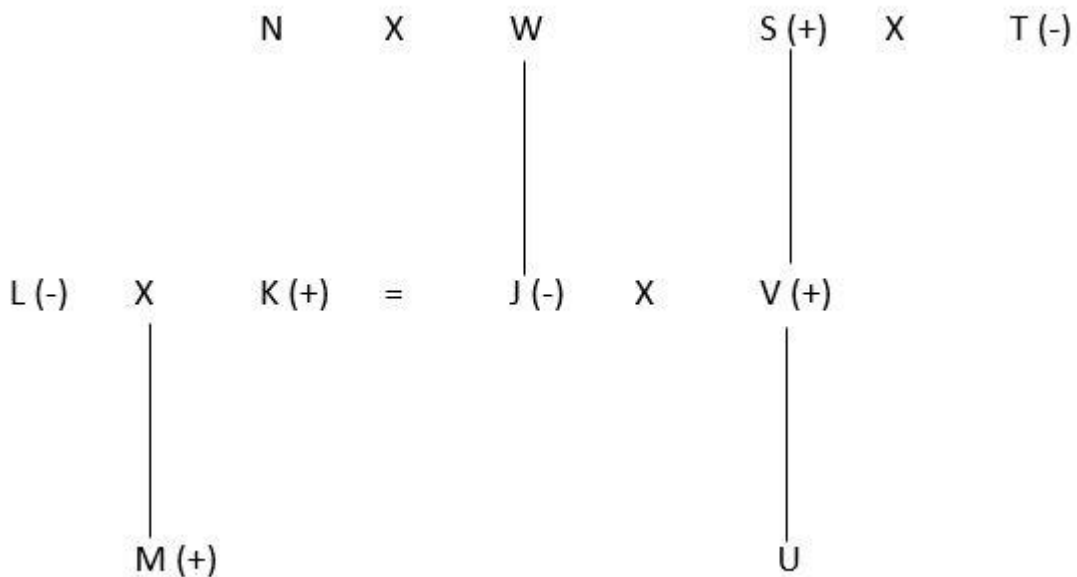
Step III. The resultant number is multiplication of digits i.e. $5 \times 7 = 35$

Step IV. The number in the previous step are divided by 2.

Required product = $1 \times 13.5 = 13.5$

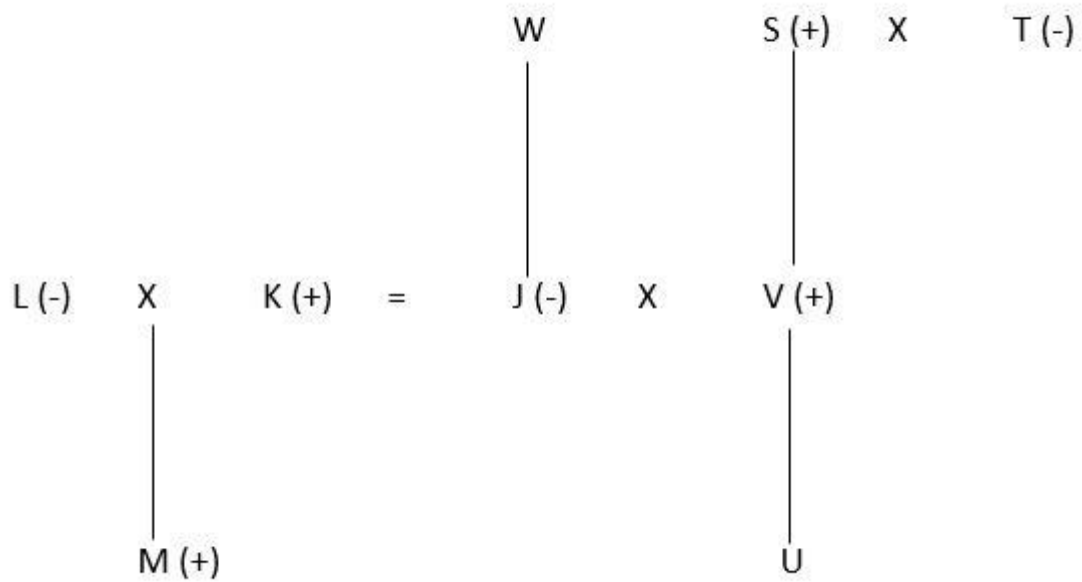
Question.171. Answer : Option 5

Explanation:



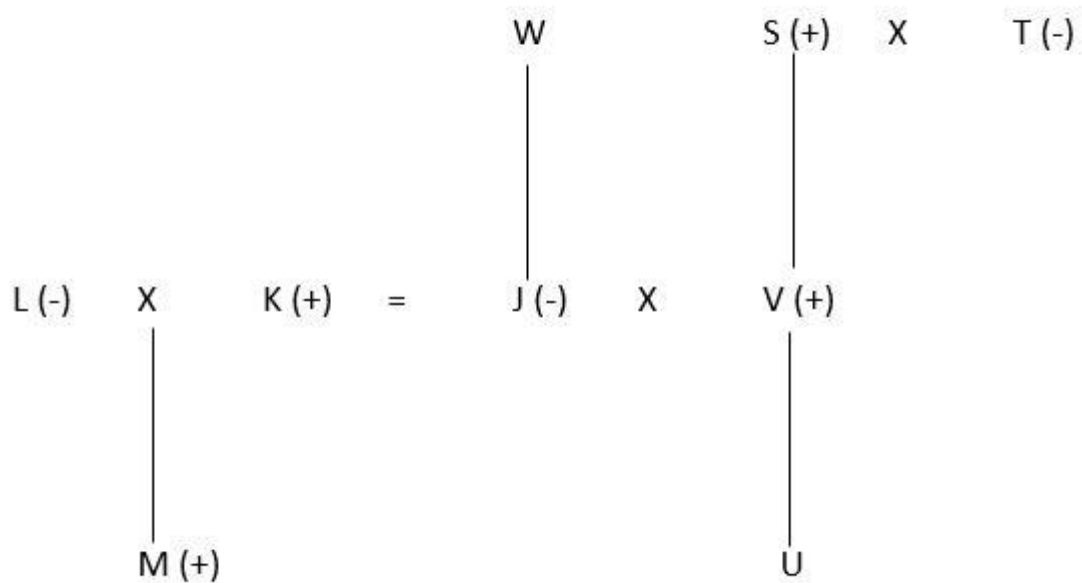
Question.172. Answer : Option 1

Explanation:



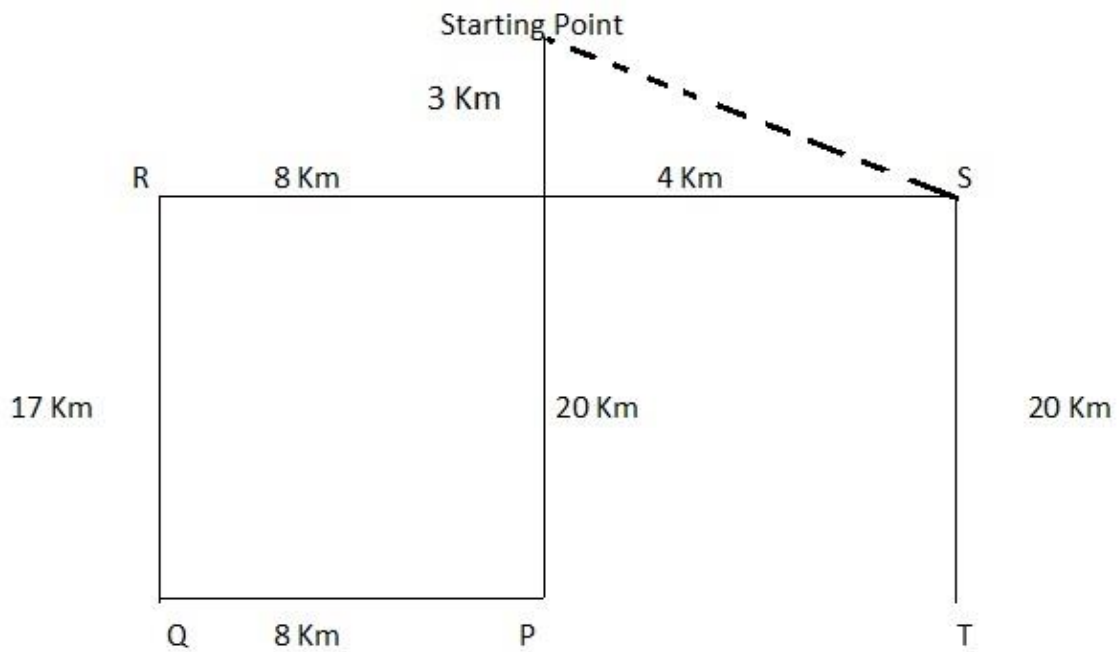
Question.173. Answer : Option 4

Explanation:



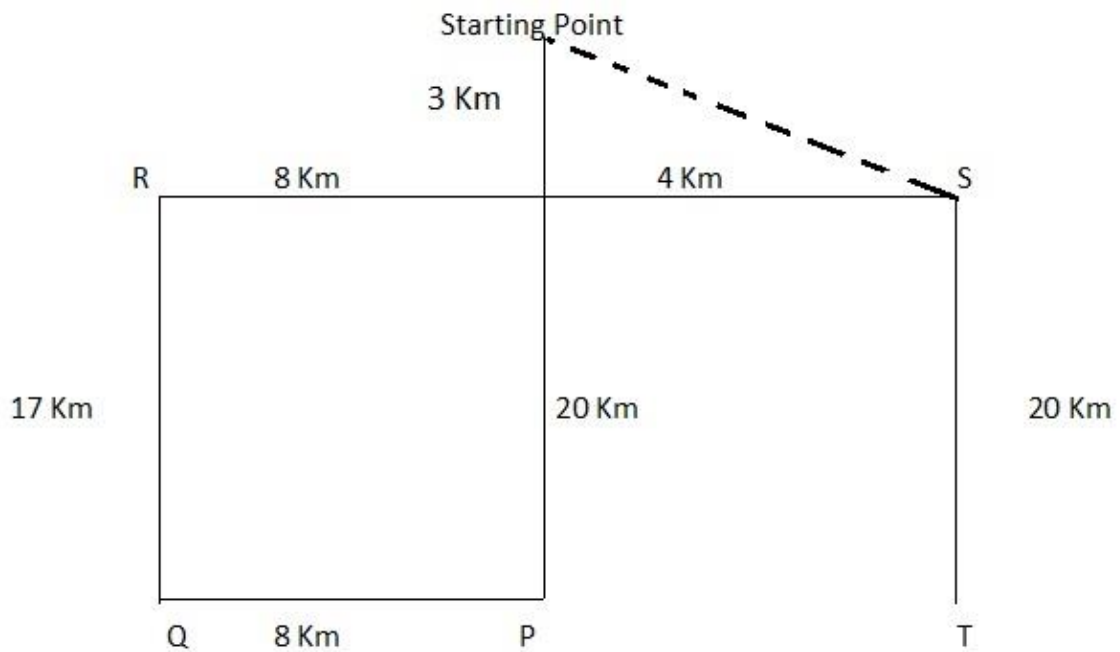
Question.174. Answer : Option 2

Explanation:



Question.175. Answer : Option 4

Explanation:



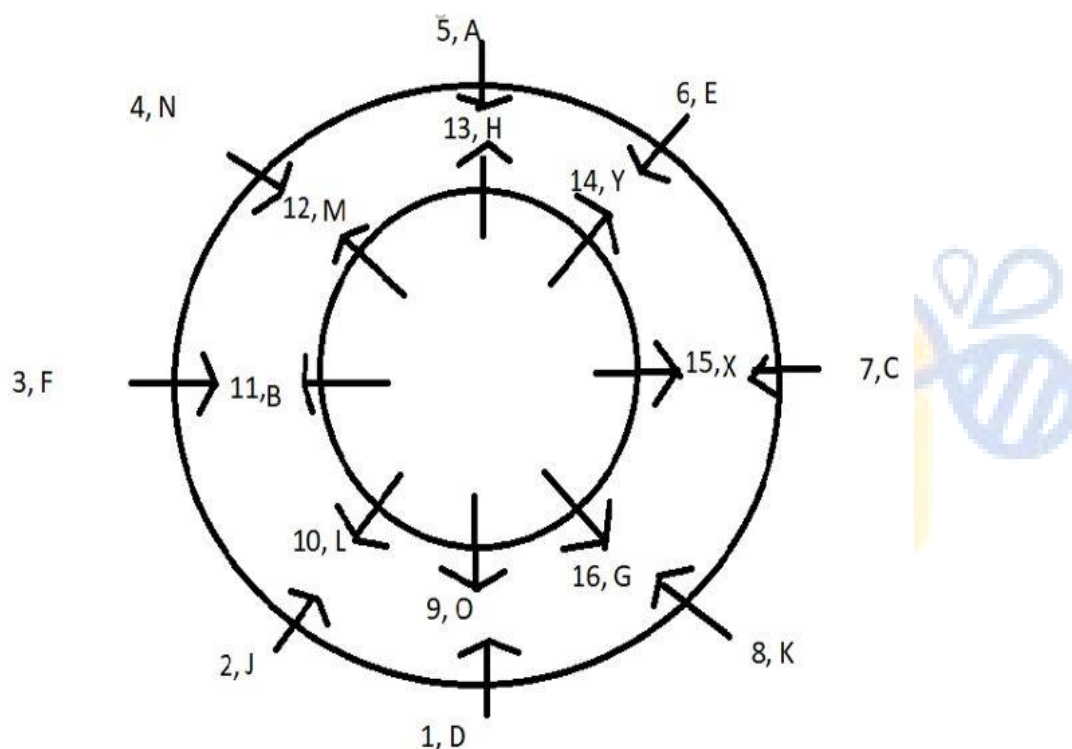
$$\text{Required distance} = \sqrt{4^2 + 3^2} = \sqrt{16 + 9} = \sqrt{25} = 5 \text{ Km}$$

Question.176. Answer : Option 2

Explanation:

From (i), If O sits at place no. 9 then D sits at place no. 1. L sits at place no. 10. J sits at place no. 2. F and N sits at place no. 3 and 4 respectively. C sits at place no. 7 and X sits at place no. 15. M sits at place no. 12.

From (ii), A cannot sit at place no. 8 and 6. So, only place left for A is place no. 5. K sits at place no. 8. Y sits at place no. 14 and E sits at place no. 6. H sits at place no. 13 and B sits at place no. 11. Only place left for G is place no. 16.



From (iii), N lives on floor No. 3 and K sits opposite to N and lives on floor no. 9 as it is a square of 3. As A lives on floor no. 6, so D lives on floor no. 7. J lives on floor no. 2 and E is opposite to J and lives on floor no. 4.

From (iv), F lives first floor. H faces A and holds $(6 - 2) = 4$ toffees. B faces F and holds $(6 + 1) = 7$ toffees.

Only floor no. left for C is 5.

From (v), L faces J and holds $(2 + 4) = 6$ toffees.

According to the question,

$$M = L - H = 6 - 4 = 2$$

M holds 2 toffees.

$$O = L + M = 6 + 2 = 8$$

O holds 8 toffees.

X cannot hold two toffees as M already has 2 toffees. If X holds 3 toffees, then Y holds 9 toffees. Then,

$O = G + X$

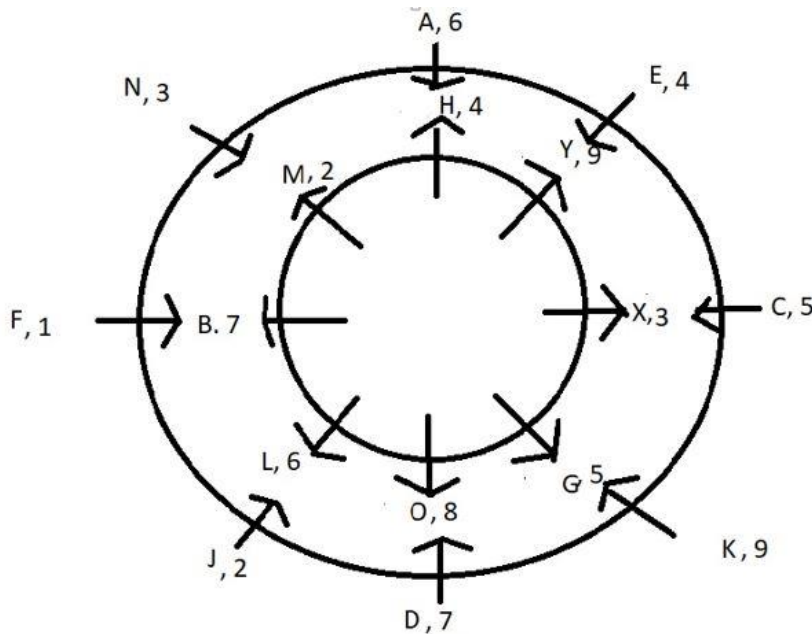
$8 = G + 3$

$G = 5$

So, G has 5 toffees.

X cannot hold 4 toffees then G also holds 4 toffees which is not possible.

Final arrangement as shown below:

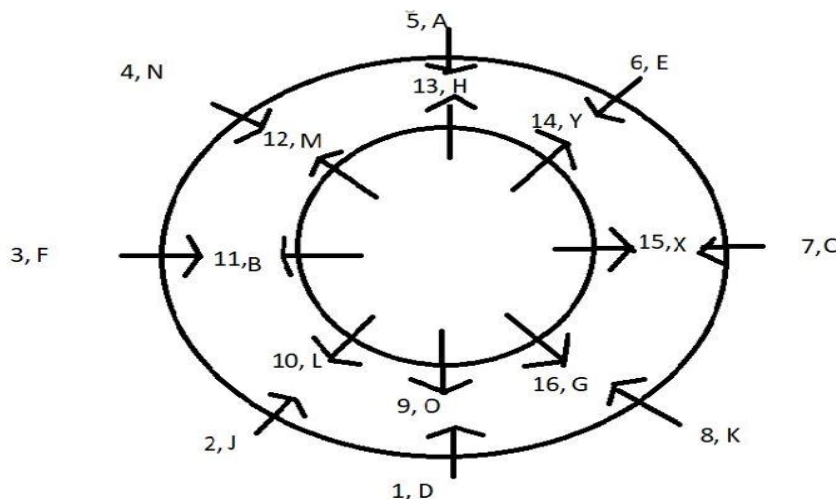


Question.177. Answer : Option 1

Explanation:

From (i), If O sits at place no. 9 then D sits at place no. 1. L sits at place no. 10. J sits at place no. 2. F and N sits at place no. 3 and 4 respectively. C sits at place no. 7 and X sits at place no. 15. M sits at place no. 12.

From (ii), A cannot sit at place no. 8 and 6. So, only place left for A is place no. 5. K sits at place no. 8. Y sits at place no. 14 and E sits at place no. 6. H sits at place no. 13 and B sits at place no. 11. Only place left for G is place no. 16.



From (iii), N lives on floor No. 3 and K sits opposite to N and lives on floor no. 9 as it is a square of 3. As A lives on floor no. 6, so D lives on floor no. 7. J lives on floor no. 2 and E is opposite to J and lives on floor no. 4.

From (iv), F lives first floor. H faces A and holds $(6 - 2) = 4$ toffees. B faces F and holds $(6 + 1) = 7$ toffees.

Only floor no. left for C is 5.

From (v), L faces J and holds $(2 + 4) = 6$ toffees.

According to the question,

$$M = L - H = 6 - 4 = 2$$

M holds 2 toffees.

$$O = L + M = 6 + 2 = 8$$

O holds 8 toffees.

X cannot hold two toffees as M already has 2 toffees. If X holds 3 toffees, then Y holds 9 toffees. Then,

$$O = G + X$$

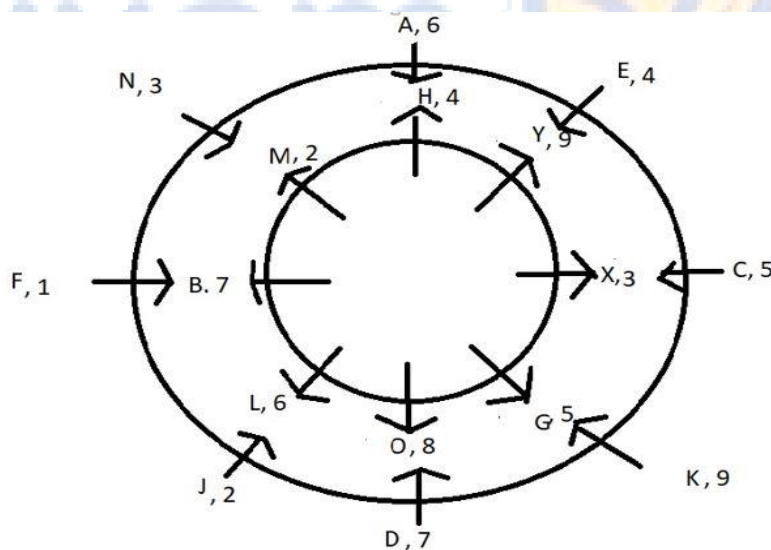
$$8 = G + 3$$

$$G = 5$$

So, G has 5 toffees.

X cannot hold 4 toffees then G also holds 4 toffees which is not possible.

Final arrangement as shown below:

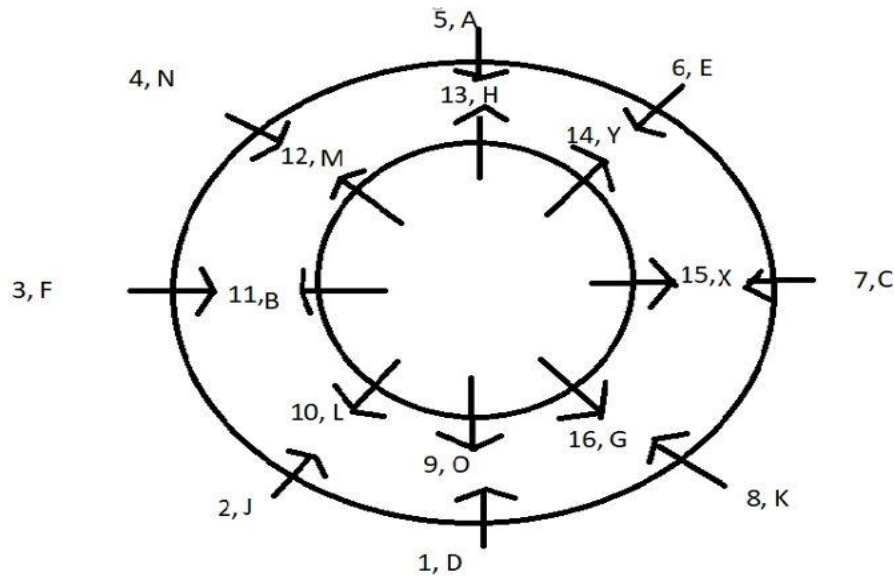


Question.178. Answer : Option 5

Explanation:

From (i), If O sits at place no. 9 then D sits at place no. 1. L sits at place no. 10. J sits at place no. 2. F and N sits at place no. 3 and 4 respectively. C sits at place no. 7 and X sits at place no. 15. M sits at place no. 12.

From (ii), A cannot sit at place no. 8 and 6. So, only place left for A is place no. 5. K sits at place no. 8. Y sits at place no. 14 and E sits at place no. 6. H sits at place no. 13 and B sits at place no. 11. Only place left for G is place no. 16.



From (iii), N lives on floor No. 3 and K sits opposite to N and lives on floor no. 9 as it is a square of 3. As A lives on floor no. 6, so D lives on floor no. 7. J lives on floor no. 2 and E is opposite to J and lives on floor no. 4.

From (iv), F lives first floor. H faces A and holds $(6 - 2) = 4$ toffees. B faces F and holds $(6 + 1) = 7$ toffees.

Only floor no. left for C is 5.

From (v), L faces J and holds $(2 + 4) = 6$ toffees.

According to the question,

$$M = L - H = 6 - 4 = 2$$

M holds 2 toffees.

$$O = L + M = 6 + 2 = 8$$

O holds 8 toffees.

X cannot hold two toffees as M already has 2 toffees. If X holds 3 toffees, then Y holds 9 toffees. Then,

$$O = G + X$$

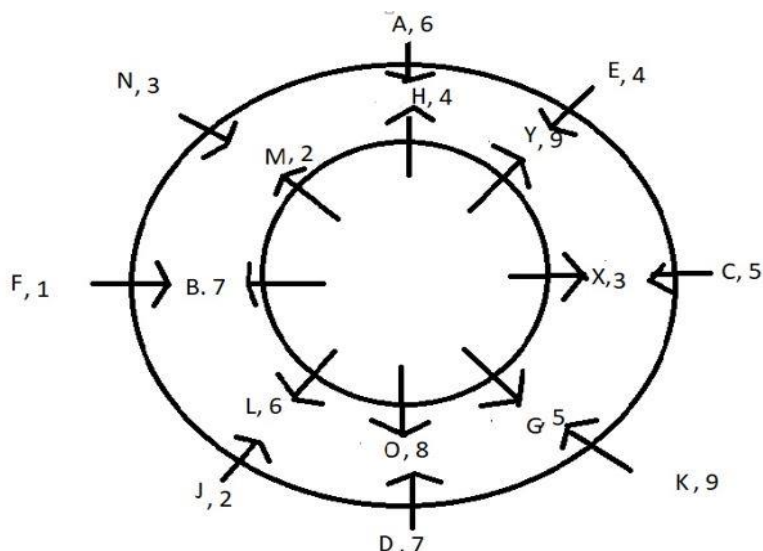
$$8 = G + 3$$

$$G = 5$$

So, G has 5 toffees.

X cannot hold 4 toffees then G also holds 4 toffees which is not possible.

Final arrangement as shown below:

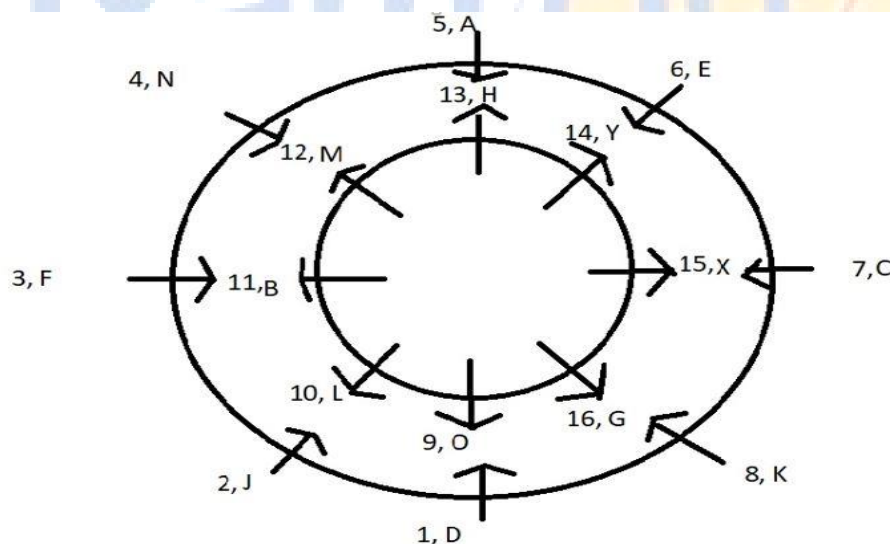


Question.179. Answer : Option 4

Explanation:

From (i), If O sits at place no. 9 then D sits at place no. 1. L sits at place no. 10. J sits at place no. 2. F and N sits at place no. 3 and 4 respectively. C sits at place no. 7 and X sits at place no. 15. M sits at place no. 12.

From (ii), A cannot sit at place no. 8 and 6. So, only place left for A is place no. 5. K sits at place no. 8. Y sits at place no. 14 and E sits at place no. 6. H sits at place no. 13 and B sits at place no. 11. Only place left for G is place no. 16.



From (iii), N lives on floor No. 3 and K sits opposite to N and lives on floor no. 9 as it is a square of 3. As A lives on floor no. 6, so D lives on floor no. 7. J lives on floor no. 2 and E is opposite to J and lives on floor no. 4.

From (iv), F lives first floor. H faces A and holds $(6 - 2) = 4$ toffees. B faces F and holds $(6 + 1) = 7$ toffees.

Only floor no. left for C is 5.

From (v), L faces J and holds $(2 + 4) = 6$ toffees.

According to the question,

$$M = L - H = 6 - 4 = 2$$

M holds 2 toffees.

$$O = L + M = 6 + 2 = 8$$

O holds 8 toffees.

X cannot hold two toffees as M already has 2 toffees. If X holds 3 toffees, then Y holds 9 toffees. Then,

$$O = G + X$$

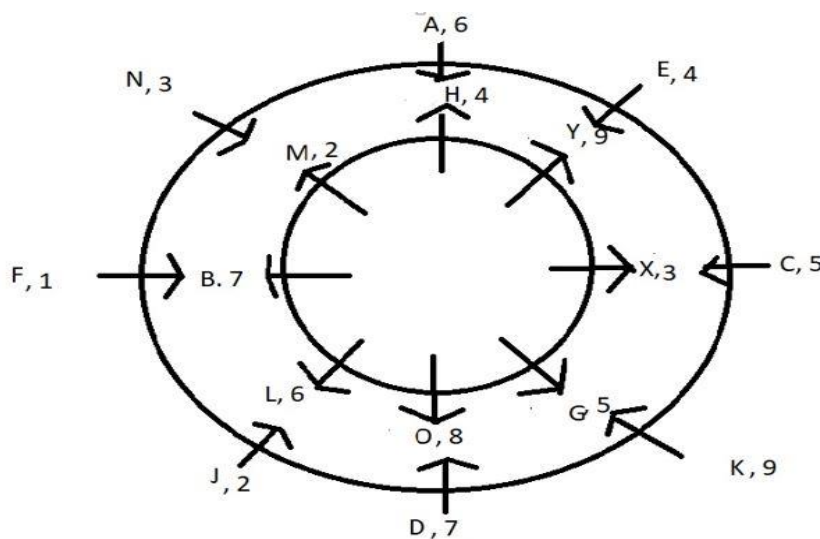
$$8 = G + 3$$

$$G = 5$$

So, G has 5 toffees.

X cannot hold 4 toffees then G also holds 4 toffees which is not possible.

Final arrangement as shown below:

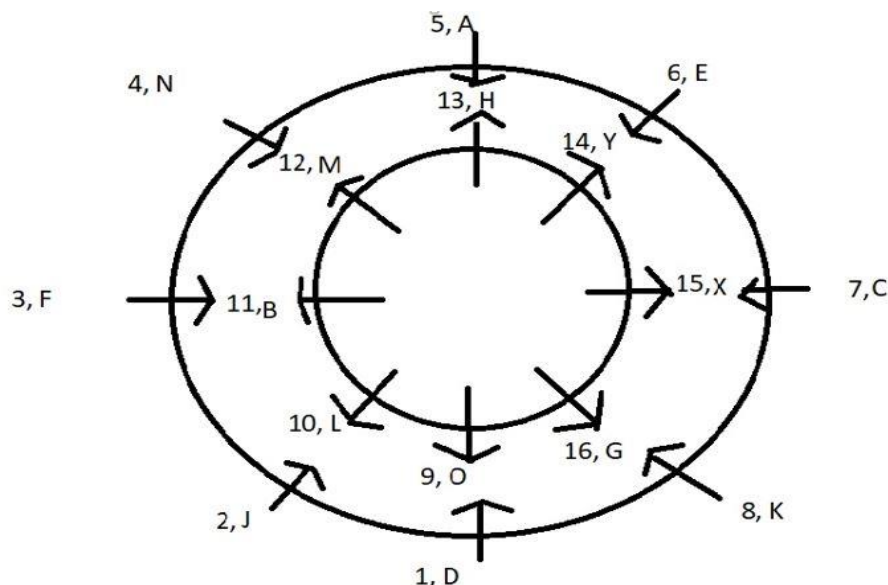


Question.180. Answer : Option 3

Explanation:

From (i), If O sits at place no. 9 then D sits at place no. 1. L sits at place no. 10. J sits at place no. 2. F and N sits at place no. 3 and 4 respectively. C sits at place no. 7 and X sits at place no. 15. M sits at place no. 12.

From (ii), A cannot sit at place no. 8 and 6. So, only place left for A is place no. 5. K sits at place no. 8. Y sits at place no. 14 and E sits at place no. 6. H sits at place no. 13 and B sits at place no. 11. Only place left for G is place no. 16.



From (iii), N lives on floor No. 3 and K sits opposite to N and lives on floor no. 9 as it is a square of 3. As A lives on floor no. 6, so D lives on floor no. 7. J lives on floor no. 2 and E is opposite to J and lives on floor no. 4.

From (iv), F lives first floor. H faces A and holds $(6 - 2) = 4$ toffees. B faces F and holds $(6 + 1) = 7$ toffees.

Only floor no. left for C is 5.

From (v), L faces J and holds $(2 + 4) = 6$ toffees.

According to the question,

$$M = L - H = 6 - 4 = 2$$

M holds 2 toffees.

$$O = L + M = 6 + 2 = 8$$

O holds 8 toffees.

X cannot hold two toffees as M already has 2 toffees. If X holds 3 toffees, then Y holds 9 toffees. Then,

$$O = G + X$$

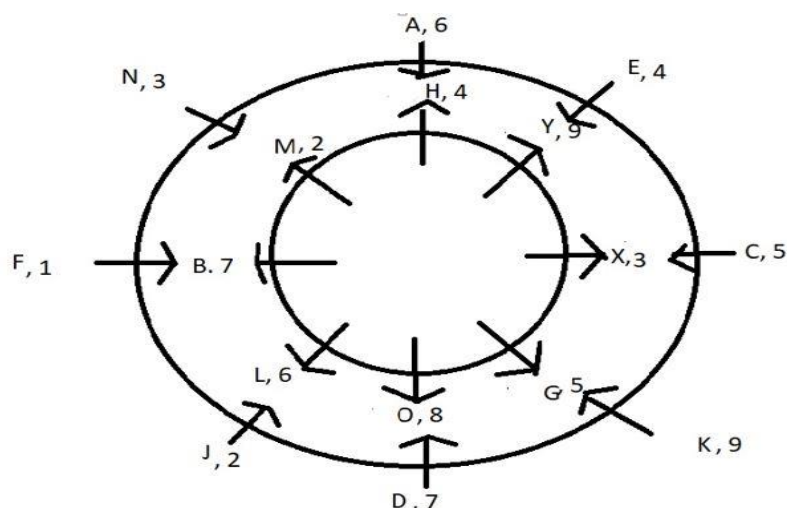
$$8 = G + 3$$

$$G = 5$$

So, G has 5 toffees.

X cannot hold 4 toffees then G also holds 4 toffees which is not possible.

Final arrangement as shown below:



Question.181. Answer : Option 2

Explanation:

No lizard is a camel (E) ⇒ Probable conclusion ⇒ No conclusion Hence conclusion I does not follow.

No lizard is a camel (E) + All camels are zebras (A) ⇒ Some zebras are not lizards (O). Hence conclusion II follows.

Some goats are lizards (I) + No lizard is a camel (E) ⇒ Some goats are not camels (O) ⇒ Probable conclusion ⇒ All camels may be goats (A). Hence conclusion III does not follow.

Question.182. Answer : Option 1

Explanation:

All engineers are villagers (A) ⇒ Conversion ⇒ Some engineers are villagers (I). Hence conclusion I follows.

No doctor is a teacher (E) ⇒ Conversion ⇒ Some teachers are not doctors (O). Hence conclusion II follows.

No doctor is a teacher (E) ⇒ Probable conclusion ⇒ No conclusion (O). Hence conclusion III does not follow.

Question.183. Answer : Option 5

Explanation:

All paint are shoes (A) + (All socks are shoes (A) ⇒ Conversion ⇒ Some shoes are socks (I) ⇒ No conclusion. Hence conclusion I does not follow.

Some socks are shirts (I) ⇒ Conversion ⇒ Some shirts are socks (I) + All socks are shoes (A) ⇒ Some shirts are shoes (I) ⇒ Conversion ⇒ Some shoes are shirts (I). Hence conclusion II does not follow.

All paint are shoes (A) ⇒ Conversion ⇒ Some shoes are paints (I). Hence conclusion III follows.

Question.184. Answer : Option 5

Explanation:

Some words are letters (I) + All letters are alphabets (A) \Rightarrow Some words are alphabets (I) + No alphabet is a digit (E) \Rightarrow Some words are not digits(O). Hence conclusion I and II do not follow.

All letters are alphabets (A) + No alphabet is a digit (E) \Rightarrow No letter is a digit (E). Hence conclusion III follows.

Question.185. Answer : Option 1

Explanation:

Some chairs are books (I) \Rightarrow Conversion \Rightarrow Some books are chairs (I). Hence conclusion I follows.

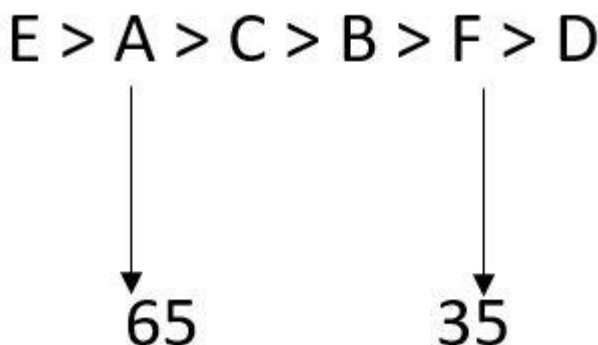
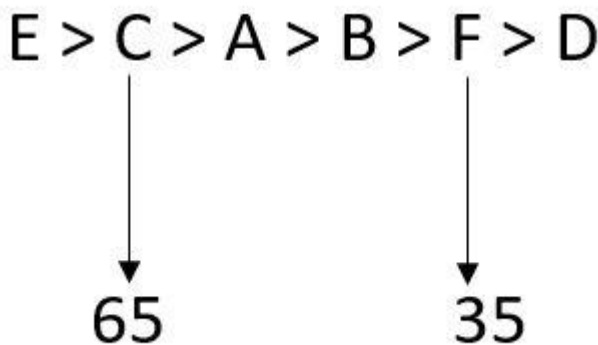
Some chairs are books (I) + Some books are colours (I) \Rightarrow Probable conclusion \Rightarrow Some chairs may be colours (I). Hence conclusion II follows.

Some books are colours (I) \Rightarrow Conversion \Rightarrow Some colours are books (I). Hence conclusion III does not follow.

Question.186. Answer : Option 3

Explanation:

There are two possibilities:



We consider possibility (i), we get

$$F + A = 90$$

$$35 + A = 90$$

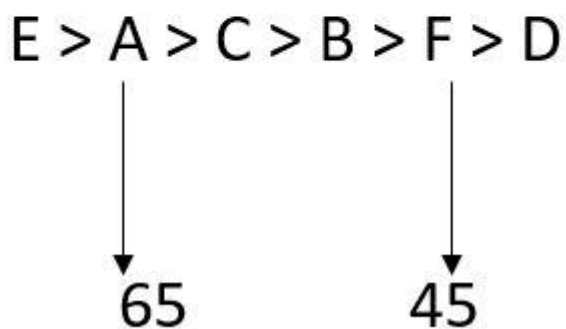
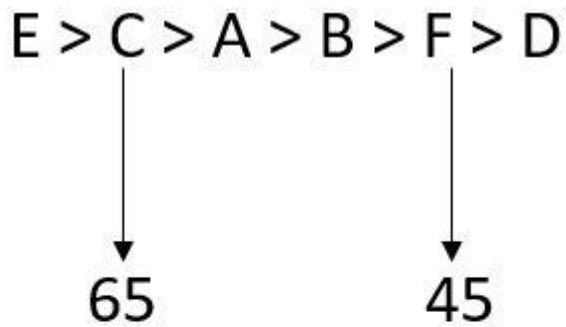
A = 55 kg

Sum of the weights of C and A = 65 + 55 = 120 kg

Question.187. Answer : Option 4

Explanation:

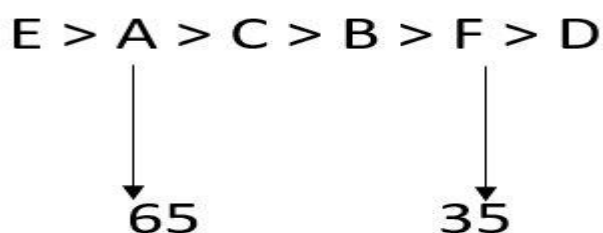
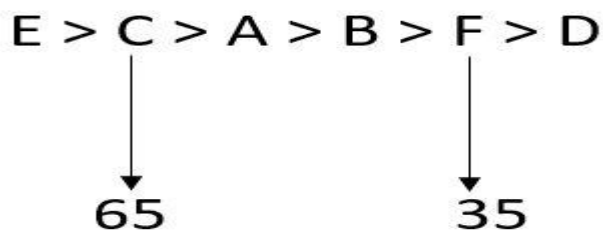
There are two possibilities:



Question.188. Answer : Option 1

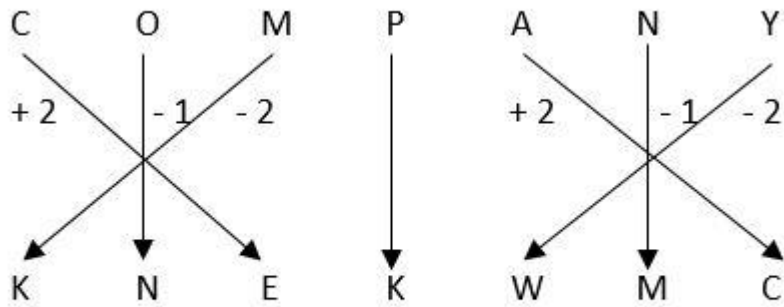
Explanation:

There are two possibilities:



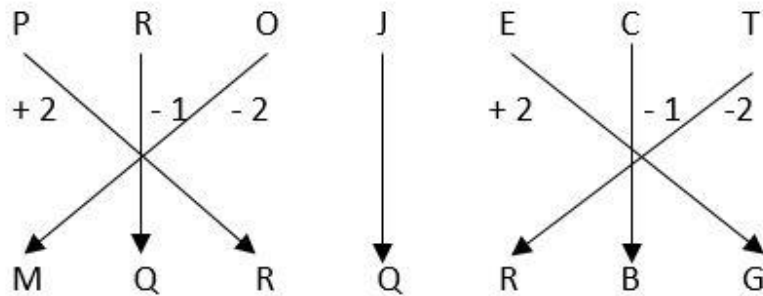
Question.189. Answer : Option 4

Explanation:



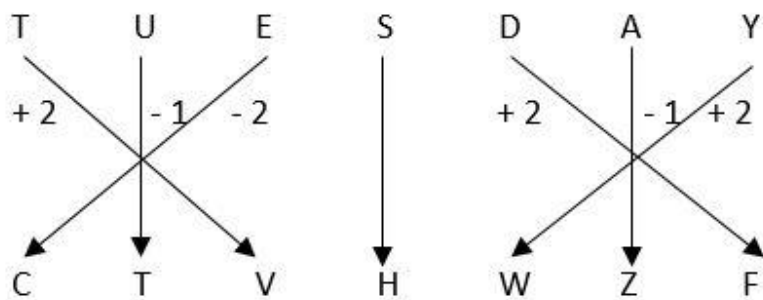
(Reverse letter)

SIMILARLY,



(Reverse letter)

Thus,



(Reverse letter)

Question.190. Answer : Option 4

Explanation:

$F + 3 = I, R - 3 = O$

$$L + 3 = O, Y - 3 = V$$

$$D + 3 = G, M - 3 = J$$

$$P + 3 = S, N - 3 = K$$

Question.191. Answer : Option 3

Explanation:

From I.

$$P, S > Q > T$$

From II.

$$S > P > Q$$

From III.

$$R > T$$

From I and III.

$$P, S > Q > T \text{ and } R > T.$$

Hence T is the shortest.

Question.192. Answer : Option 4

Explanation:

From I.

Om is twelfth from the left end.

From II.

$$\text{Total number of students in row} = 18 + 13 - 1 = 30$$

From III.

$$\text{Total number of students in row} = 11 + 9 + 14 - 1 = 33$$

Thus either II or III is sufficient to answer the question.

Question.193. Answer : Option 4

Explanation:

From I.

C studies in either 4th or 6th standard.

From II.

C studies in 4th standard and B is senior to A but junior to C.

From III.

D is not junior to E.

From I and II.

B studies in 5th standard and C studies in 6th standard.

Thus both I and II are sufficient to answer the question.

Question.194. Answer : Option 4

Explanation:

From I and III.

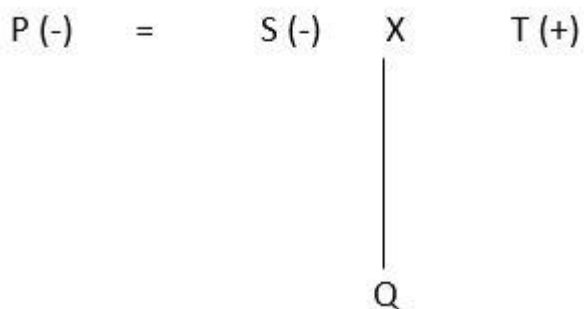
| Floor | Person |
|-------|--------|
| 5 | |
| 4 | Tanuj |
| 3 | Kirti |
| 2 | Rakesh |
| 1 | Pankaj |

Thus both I and III are sufficient to answer the question.

Question.195. Answer : Option 2

Explanation:

From II and III.



P is aunt of Q. Thus both II and III are sufficient to answer the question.

Question.196. Answer : Option 4

Question.197. Answer : Option 1

Question.198. Answer : Option 1

Question.199. Answer : Option 5

Question.200. Answer : Option 5