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RBI GRADE B 2017

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RBI Grade B Previous Year Question Paper 2017

English Language (Questions & Answers):

Direction Q. (1): Study the given information to answer the question:
The tourism sector of Country G has emerged out to be the highest contributor to GDP of the economy of Country G for this financial year. The numbers of foreign as well as domestic visitors to various tourist spots of the country were found to be relatively high as compared to the last financial year.

Q. (1) Which of the following may be a reason for increased tourism in Country G?

A. The tourism packages offered by various travel agencies for visiting places in Country G were much cheaper and attractive.
B. The government of Country G had started special buses, trains and flights at highly subsidized rates for passengers during holidays.
C. The various hotels and travel agencies of City F in Country G started holiday packages of 18%
D. lesser price than any other tourist spot in the country.
E. Country G was found to be the most preferred tourist destination for the last three years globally.

1. All A, B, C and D
2. Both A and D
3. Both B and C
4. A, B and D
5. Both A and B

Answer: 1

Directions Q. (2 - 6): Read the given passage carefully and answer the questions that follow:

When Panagiotis Korfoksyliotis set up a business in Athens in 2011, ferrying tourists around by car, he hoped to do his bit to help Greece emerge from its deep recession. He says he paid his staff a decent wage and declared all his earnings. Unfortunately, the taxman did not repay the kindness. Sharp increases in business taxes have prompted Mr Korfoksyliotis to pack his bags and move his company

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and his life to Bulgaria. Now he employs drivers to take foreign visitors around that country's tourist spots instead. He is part of a growing trend. In recent years Greek governments desperate for cash have sought to squeeze it from companies, despite evidence that this is driving them away to places like Bulgaria, Cyprus and Albania. The combination of a deep recession and rising taxation has meant that by some estimates more than 200,000 businesses have closed or in some cases left Greece since then. Between 2009 and 2014 the taxable profits declared by the country's businesses fell by more than €5 billion ($5.6 billion) to €10 billion. Precise figures are hard to find, but accountants, lawyers and businesspeople reckon that perhaps as many as 10,000 Greek-owned firms have moved abroad. In a recent survey of 300 firms, Endeavor Greece, a non-profit organisation that helps entrepreneurs, found that more than a third had either left or were thinking about going. Venetis, a bakery chain, recently said that, because of high taxes and capital controls, it will focus more on opening shops abroad than in Greece. Even if they have kept their Greek operations going, some multinationals have moved their headquarters. Fage International, a dairy firm, said in 2012 when taxes started to rise, that it would move its base to Luxembourg. That year Coca-Cola Hellenic, which distributes the American giant's soft drinks in 28 mostly European countries, moved its base from Athens to Zug in Switzerland. In 2013 Viohalco, a metal-processor moved its head office to Brussels. The latter two firms say that the main reason was to improve their access to capital. But Greece's sharp tax rises were hardly an inducement to stay. Other euro-crisis countries, such as Portugal and Ireland, cut business taxes or kept them low, to encourage investment and growth. (Portugal's corporation-tax revenues are only slightly below where they were, as a share of GDP, before the global financial crisis.) But Greece has raised its corporation-tax rate from 20% in 2012 to 29% in 2015, even though international lenders such as the IMF will surely have advised against this. Greece's tax rise makes Bulgaria's rate of just 10% even more alluring; likewise Cyprus's 12.5% rate and Albania's 15%. The country's neighbours are delighted that it is sending business their way. Panagiotis Pantelis, an accountant in Athens, says he has been busy in recent weeks meeting officials from neighbouring countries on behalf of clients looking to move out. Alexandros Ziniatis of Viva Trust, a firm that advises businesses seeking to relocate within Europe, reports similarly brisk interest from Greek companies.

The new leader of Greece's conservative opposition, Kyriakos Mitsotakis, has condemned the tax rises on business as counterproductive. But the left-wing ruling coalition is not listening. It is now proposing a 20% rise in a levy on companies' profits that goes toward pensions. Carry on in this vein, and there will not be many businesses or much profit, left to tax.

Q. (2) Which of the following is true in the context of the passage?

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1. The Greek government levied unjustifiable amounts of business tax on companies in the face of acute cash crunch in the country due to the ongoing recession in the country.
2. Despite the imposition of excessive tax by the government on business companies, not a single company migrated to other countries.
3. Greece, unlike any other European country, has been a victim of the European Crises.
4. As a consequence of the withdrawal of many companies, the Greek government is busy formulating plans to get the company back.
5. None of the given options is true in the context of the passage.

Answer: 1 (The Greek government levied unjustifiable amounts of business tax on companies in the face of acute cash crunch in the country due to the ongoing recession in the country.)

Q. (3) Which of the following is the central idea of the passage?

1. By 2018, the taxable profits of Greece's businesses will fall by more than €20 billion, if the government does not control taxation.
2. The only ray of hope for the economically falling Greece is the election of the Conservative Party.
3. The reckless tax imposition on businesses has marred the economy of an already recession-hit Greece.
4. It is time that businesses leave Greece and settles in the neighbouring countries if they have to survive.
5. The European crisis is the major cause behind the recession in Greece, and given the unfavourable conditions, the steps that are being taken by the government do not have any alternatives.

Answer: 3 (The reckless tax imposition on businesses has marred the economy of an already recession-hit Greece.)

Q. (4) Which of the following have been the consequences of the recession in Greece?

I. Despite having their businesses running in Greece, many countries moved their headquarters to foreign countries.
II. A large number of companies closed because they were unable to pay the exorbitant taxes.

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III. Behind the excuse of accessing finance smoothly in foreign countries, many companies moved their headquarters to other countries in order to escape high taxations in Greece.

IV. The Greek government, in order to encourage investment and growth, levied unbearable amounts of taxes on companies.

1. I and IV
2. I and II
3. II, III and IV
4. I, II and III
5. All of these

Answer: 4 (I, II and III)

Q. (5) Which of the following describes the author's opinion on the crisis being faced by Greece?

1. The recession is temporary, and given the measures being taken by the Greek government, it wouldn't last long.
2. Among all the European countries which have been engulfed by the economic crises, Greece would be the last one to come out of it.
3. With the hysteric tax imposition on the business companies, it would not take much time before Greece runs out of such companies.
4. The Greek government must call for financial aids from the neighbouring countries, which are flourishing with business companies that have abandoned Greece.
5. The author will not agree with any of the given options.

Answer: 3 (With the hysteric tax imposition on the business companies, it would not take much time before Greece runs out of such companies.)

Q. (6) With reference to the passage, what does the movement of Mr Korfoksyliotis' company and his life to Bulgaria convey?

1. Greece is no more business-friendly as the government is arbitrarily imposing inordinate taxes.
2. Mr Korfoksyliotis will get better opportunities for investment in Bulgaria than in Greece.

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3. Given that Bulgaria has not been badly affected by the European crisis, it has become a one-stop destination for the business companies from various countries that have been hit by the crisis.
4. The tax agencies in Greece tricked Mr Korfoksyliotis into paying an unreasonable amount of taxes.
5. The recession in Greece threatened the profits of businessmen like Mr Korfoksyliotis, who were left with no other alternative but migration.

Answer: 1 (Greece is no more business-friendly as the government is arbitrarily imposing inordinate taxes.)

Directions Q. (7 - 9): In the given question four statements are given in the options. One idiom or phrase is used in all of the statements; pick up the statement in which the idiom/phrase has been used correctly. If the usage is incorrect in all the statements, then your answer as option '5' i.e., 'None is correct'

Q. (7)

1. Maya did not prepare the lesson and kept on **grasping at straws** when the teacher asked her a question.
2. The detective is **grasping at straws** because through surprisingly enough, there's practically no evidence at the crime scene.
3. **Grasping at straws** is an activity which is mostly liked by children at playschool.
4. When the boat toppled over, David used the row in order to **grasp at straws** and save himself from drowning.
5. None of these.

Answer: 2

Q. (8)

1. Aryan is quite untrustworthy, he **leaves you holding the baby** while you assume that he has gone to fetch medicines.

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2. Exhausted from the hectic schedule, Rohan early from the office, **leaving me holding the baby**.
3. Pooja **left me holding the baby** as she had to accomplish some urgent task at her workplace.
4. When the customer started complaining about the deterioration of the quality of the product, my senior vanished and **left me holding the baby.**
5. None of these

Answer: 4

Q. (9)

1. The outcome of the contest was completely unpredictable, so we decided to **play it by ear.**
2. Parul is a connoisseur of Indian classical music and a fabulous singer, and she also well-rehearsed in **playing it by ear.**
3. **Playing it by ear** has become a routine of Priyansh while dealing with his clients, a habit which can land him into jail.
4. At the dinner function organised at my friend's house, the orchestra **played it by ear** and mesmerised the whole audience.
5. None of these.

Answer: 1

Directions Q. (10-11): In the given question, three phrases are given below the question statement. Choose the phrase(s) that can be placed in the given blank so as to make a meaningful and grammatically correct sentence.

Q. (10) The script allowed linguists to finally crack the code, _____ out more about the ancient civilisation.

I. A key challenge involved in the whole process in internalizing
II. Decipher the hidden meanings and get
III. an immeasurable tool in finding

1. Only II
2. Only III
3. Both II and III

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4. Both I and III
5. All of these

Answer: 2

Solution: The script allowed linguists to finally crack the code, **an immeasurable tool in finding** out more about the ancient civilisation.

Q. (11) _____ running for a fifth term, which few people expect her to seek.

I. She brushed aside a question as to whether she would rule out the idea of
II. She categorically chose not to answer questions on the possibility of
III. She entertained quite a few questions on her plans to participate in the election amidst the rumours that she would not be

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

Answer: 5

Direction Q. (12 - 16): In the given question, there is a statement with some words in bold. Some of the bold words are correctly used, while some are not. Pick the words which have been used correctly. If all the bold words are relevant, then mark your answer as option '5' i.e. 'All are correct'

Q. (12) It also **suspected (1)** residents to take ownership of the public facilities and secure them, noting that the facilities were **procured (2)** with tax revenue paid by members of the public and must be protected against **vandalism (3)**.

1. Only 1
2. Only 2
3. Both I and 2
4. Both 2 and 3
5. All are correct

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Answer: 4

Solution: People cannot be suspected to take ownership of the public facilities; hence the word is incorrect in the context of the given sentence.

Q. (13) Raising the issue during the zero hours, Tharoor said such attacks on those who expressed **sycophancy (1)** destroyed the idea of **pluralism (2)** and violated the **exaggerated** (3) rules of the Constitution of freedom of speech and expression.

1. Only 2
2. Both 1 and 2
3. Both 2 and 3
4. Only 3
5. All are correct

Answer: 1

Solution: Sycophancy: praising people in authority in a way that is not sincere, usually in order to get some advantage from them.

Pluralism: a condition or system in which two or more states, groups, principles, sources of authority, etc., coexist.

Exaggerated: represent (something) as being larger, better, or worse than it really is .

Q. (14) The party, therefore, **ostracised (1)** with students of the various schools destroyed by the **hoodlums (2)**, their parents and the community for losing what even though was the responsibilities of the state government but was however **facilitated (3)** by a Senator as his constituency projects.

1. Only 1
2. Only 2
3. Only 3
4. Both 2and 3
5. All are correct

Answer: 4

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Solution: One cannot be ostracised “with”, hence the first word is incorrect. “Sympathised would be more appropriate in the given context. With reference to destruction, “hoodlums’ is correct and facilitated also fits appropriately in the context.

Q. (15) Matthews, who started his **harangue (1)** claiming the Supreme Court "threw the election" for George W. Bush, **laid (2)** out his case for why Democrats should **obstruct (3)** any nominee President Trump names.

1. Only 1
2. Only 2
3. Only 3
4. Both 2and 3
5. All are correct

Answer: 5

Q. (16) It is difficult to connect this historical event with the **accost (1)** of St John of Nepomuk, who was **canonized (2)** by the Church of Rome in 1729, mainly by the influence of the Jesuits, who hoped that this new cult would **emollient (3)** the memory of Hus.

1. Only 1
2. Only 2
3. Both 1 and 2
4. Both 2 and 3
5. All are correct

Answer: 2

Solution: Accost- approach and address (someone) boldly or aggressively.

Canonize- (in the Roman Catholic Church) officially declare (a dead person) to be a saint. **Emollient**- having the quality of softening or soothing the skin.

Directions Q. (17 - 18): In the given question, two sentences with two blanks in each are given. Each question is followed by five options with two words in each. Select that option as the answer which can fill both the blanks of both the sentences I and II.

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Q. (17)

I. Opposition forces have constantly rebelled and tried to kill the _____ leader, and he has always tried to _____ them.

II. He was probably the first _____ Western person to suggest that the Soviet regime had failed to _____ religion within its domains.

1. cavort, acquiesce
2. cantankerous, catechize
3. rapacious, resuscitate
4. prominent, obliterate
5. humongous, abscond

Answer: 4 (prominent, obliterate)

Q. (18)

I. It is the _____ of efficiency and distributive justice of economy on which the new _____ base themselves.

II. The key success factors include the _____ between the information and the individual's _____.

1. dearth, despotism
2. cogent, debauchery
3. congruity, perspectives
4. cleave, parlance
5. diminution, methodology

Answer: 3 (congruity, perspectives)

Q. (19)

I. To say that these three introductions were _____ to the future of the Army would hardly be a/ an _____

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II. He could not, of course, undo the _____ reforms of his predecessor, but he amended them in such a way as to counteract what he considered the _____ of liberalism.

1. monumental, exaggeration
2. debunk, emulation
3. espouse, doomsday
4. expunge, fallacies
5. hegemony, heterogeneous

Answer: 1 (monumental, exaggeration)

Directions Q. (20 - 22): Select the phrase/connector from the given three options which can be used to form a single sentence from the two sentences given below, implying the same meaning as expressed in the statement sentences.

Q. (20) Her publishers in Philadelphia had retired from business many years ago. It was eventually discovered that her residence is at Wilmington, Delaware, and copies of the second edition of the book, 1889, were obtained from her.

I. She had left and… because
II. This became a difficult task, as… however
III. The period between… but

1. Only I
2. Only II
3. Only III
4. Both I and III
5. All of the above

Answer: 2

Solution: This became a difficult task, as her publishers in Philadelphia had retired from business many years ago; however, it was eventually discovered that her residence is at Wilmington, Delaware, and copies of the second edition of the book, 1889, were obtained from her.

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Q. (21) I had caught glimpses of broad, green fields, a luminous sky, trees and flowers. The darkness that followed could not wholly blot it out.

I. Hardly enough… but at any point
II. All through my academic career… since
III. During the first nineteen months of my life … which

1. Only I
2. Only II
3. Only III
4. Both I and III
5. All of the above

Answer: 3

Solution: During the first nineteen months of my life I had caught glimpses of broad, green fields, a luminous sky, trees and flowers which the darkness that followed could not wholly blot out.

Q. (22) He regulated the administration of justice, encouraged commerce, and reformed the coinage. As time went on he was compelled to demand larger subsidies and to take severe measures against heretical opinions.

I. He redressed many grievances… but
II. Even when… so
III. Although… yet

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

Answer: 4

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Solution: He redressed many grievances, regulated the administration of justice, encouraged commerce, reformed the coinage, but as time went on he was compelled to demand larger subsidies and to take severer measures against heretical opinions.

Directions Q. (23 - 26): Given below are five statements out of which only one is grammatically correct. Identify the correct statement.

Q. (22)

1. That plan also sets a deadline of 2020 for a substantially increase in the number of countries with national and local strategies for disaster risk reduction.
2. After the partition of 1947 and the transfer of a very large Bengali Muslim district of Sylhet to East Pakistan, the Assamese middle class came to power for the first time in about a century.
3. The database we have compiled show that Muslims are dramatically under-represented in the Indian Police Service.
4. He recognized after the Japan game that he needed to make some changes to his lineup, and they made them.
5. In an admirable change of stance, the government has lobbed the ball back to the court, where it once belongs.

Answer: 2

Solution: The corrected sentences are as follows:

- That plan also sets a deadline of 2020 for a **substantial increase** in the number of countries with national and local strategies for disaster risk reduction.
- The Database we have compiled **shows** that Muslims are dramatically under-represented in the Indian Police Service.
- He recognized after the Japan game that he needed to make some changes to his line-up, and **he** made them.
- In an admirable change of stance, the government has lobbed the ball back to the court, where **it once belonged**.

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Q. (23)

1. Faced with a massive public outcry and criticism in the media, the government of Punjab has announced a series of measures to tackle the drug menace.
2. Overcrowding, as well as related problems such as lacking of privacy, can also cause or exacerbated mental health problems, and increase rates of violence, self-harm and suicide.
3. More than anything, it is the human cost of disasters that is the more compelling argument for action.
4. India is home to the largest population of malnourished and hunger-stricken people and children leading to high infant and maternal mortal.
5. Near the examination centres, there are no construction work, no traffic noise, and the cops enforce street calm.

Answer: 1

Solution: The corrected sentences are as follows:

- Overcrowding, as well as related problems such as **lack of privacy,** can also cause or exacerbated mental health problems, and increase rates of violence, self-harm and suicide.
- More than anything, it is the human cost of disasters that is the **most compelling** argument for action.
- India is home to the largest population of malnourished and hunger-stricken people and children leading to high infant and maternal **mortality**.
- Near the examination centres, there **is** no construction work, no traffic noise, and the cops enforce street calm.

Q. (24)

1. As a metaphor for the future of the British's economy, the boy wizard created by JK Rowling and the queues for the Hogwarts Express are apt.
2. With the Gmail redesign, scammers could send out fake versions of confidential email alerts and trick a user to entering sensitive details.
3. There are plenty of stands that can hold and charge your gamepad controllers, but I find them to be an eyesore.
4. Not only it consumed precious time of the upper house, but so led to inordinate delay in clearing five key amendments in the legislations.

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5. For starters, the company expects to generation enough cash flow this year to cover its dividend and fund all its growth focused spending.

Answer: 3

Solution: The corrected sentences are as follows:

- As a metaphor for the future of the **British economy**, the boy wizard created by JK Rowling and the queues for the Hogwarts Express are apt.
- With the Gmail redesign, scammers could send out fake versions of confidential email alerts and trick a user **into entering** sensitive details.
- Not only it consumed precious time of the upper house, but **also** led to inordinate delay in clearing five key amendments in the **legislation**.
- For starters, the company expects **to generate** enough cash flow this year to cover its dividend and fund all its growth focused spending.

Q. (25)

1. This research method, called ECoG, requires major surgery, which is why it almost never happens without the voluntary participation for patients.
2. The rise and reign of supergiant rounds are a phenomenon that emerges from a confluence of different factors.
3. Hundreds across the country called in the university and government to do more to prevent sexual assault and harassment.
4. Take a magnifying glass to Jolie's early home life and an emancipation will not be anything particularly out of the ordinary.
5. He asked New Delhi to reciprocation so that Kashmir issue could be resolved

Answer: 5

Solution: The corrected sentences are as follows:

- This research method, called ECoG, requires major surgery, which is why it almost never happens without the voluntary **participation of** patients.
- The rise and reign of supergiant rounds **is** a phenomenon that emerges from a confluence of different factors.
- Hundreds across the country **called on** the university and government to do more to prevent sexual assault and harassment.

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- Take a magnifying glass to Jolie's early home life **and emancipation** will not be anything particularly out of the ordinary.

Directions Q. (26 - 30): Read the given passage carefully and answer the questions that follow.

The fact that Indian Prime Minister Narendra Modi visited Palestine just weeks after Israeli Prime Minister Benjamin Netanyahu toured India demonstrates just why rising powers like New Delhi can play a significant role in building peace between Israel and Palestine, and in the broader Middle East. U.S. President Donald Trump's decision to move the U.S. embassy to Jerusalem irreparably damaged the United States' image as a credible arbiter in the Israel- Palestine conflict. In contrast, rising powers like India are considered acceptable by a broad range of regional players. From a U.S. perspective, the strategic entry of new these into the Middle East will be increasingly difficult to prevent. The involvement in the peace process of India—a fellow democracy and security partner of Washington—provides a preferable option when compared to other rising powers who may seek to fill the void. While Delhi has increased security ties with Israel, it has simultaneously strengthened ties with the Palestinian Authority. Its "friend-to-all" image enabled New Delhi to garner an invitation from Palestinian Authority leader Mahmoud Abbas to sit on a proposed "multilateral forum" for negotiations on a peace deal between Palestine and Israel—a role India is increasingly able to fill. Many assessed the pomp and ceremony of Netanyahu's New Delhi visit as evidence of India's increasing proximity to Israel. The public affection reflected New Delhi's strategic interests. The Indian military has relied on Israeli technology on the battlefield; last year India and Israel signed a $2 billion deal for an advanced medium-range surface-to-air missile system. Israel has positioned itself as one of India's largest source of arms, with a 7.2 percent share of imports into India between 2012 and 2016. But while the ideological stripes of the current BJP government and certain security interests mean Israeli overtures are warmly received, there are significant structural factors that drive India to maintain a balanced approach to the Israel-Palestine issue. The rhetoric about "dehyphenating" Israel-Palestine is an attempt to justify this objectivity to those seeking to pull India into supporting one side over the other. While no bilateral relationship is fully independent of other relationships, counteracting forces acting upon Indian policymakers ensure New Delhi takes a relatively neutral approach. Indian policymakers feel that in an increasingly multipolar world, the way to maximize leverage is to make other states work for one's favor rather than have it taken for granted through alliance membership. Thus, what had previously been promoted as idealist nonalignment has now evolved and been rebranded as realist strategic independence. Importantly, India is seen as able to act more independently than many Western states with regard to Israel. This is evident in the fact that when Israel's preferences collide

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with New Delhi's strategic autonomy, the latter always wins out. Modi's visit to Palestine is a prime example. Furthermore, despite Israel and the United States urging that India minimize its energy and defense ties with Iran, India continues to rely on Iranian oil and engage in defense cooperation. Modi even visited Iran in 2016 and Iranian President Hassan Rouhani arrived in India this week for his own visit. The rhetoric throughout Modi's trips to Iran and Palestine included references to the depth of ties, similar to those heard during the Indian prime minister's trip to Israel. Modi's speeches in Ramallah will likely be similarly replete with themes of camaraderie and "brotherliness." For global audiences, India projects an image of moderation with regard to its positions on the Middle East's conflicts. While Delhi has prioritized sovereignty and nonintervention, providing soft-spoken support to like Syria and pre-2003 Iraq, in opposition to the West, the re-entry of Russia into the region and its robust defense of Damascus makes New Delhi's position more centrist.

Q. (26) Why did the U.S. lose its trustworthy role as a negotiator of peace in the Israel- Palestine conflict?

1. The President's decision to move the U.S. embassy to Jerusalem indicates his hostility towards the Islamic nations.
2. Trump's decision to move the U.S. embassy to Jerusalem showed that he is biased towards one of the concerned parties.
3. Trump's decision to move the U.S. embassy to Jerusalem was not considered a welcome move by the Global community.
4. India outdid the U.S. in acting as the negotiator of peace between Israel and Palestine.
5. All of these.

Answer: 2 (Trump's decision to move the U.S. embassy to Jerusalem showed that he is biased towards one of the concerned parties.)

Q. (27) How has India managed to remain in the good books of countries like Israel, Palestine and the U.S. despite the existing tumultuous relationship among them and other nations?

1. India has maintained an amicable but diplomatic relationship with these countries and has kept its geopolitical position neutral to avoid hostilities.
2. India's global economic position at the present time is at rise and despite ideological differences, the globe does not want to create differences with her.

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3. Since India has established strategic partnership with all the countries, her geopolitical ideologies do not make much difference for the concerned countries.
4. India has favoured the ideological stand of each of the countries during his visits to the respective nations.
5. None of these.

Answer: 1 (India has maintained an amicable but diplomatic relationship with these countries and has kept its geopolitical position neutral to avoid hostilities.)

Q. (28) Which of the following reflects the international policy of India with respect to the situation discussed in the given passage?

1. India carries a sycophantic attitude and pleases every country it wants to establish a strategic partnership with.
2. Pursuing a neutral bilateral strategy, India has established itself as ideologically neutral and strategically aligned with all the countries.
3. In order to make itself agreeable to the global community, India has recklessly established geopolitical relationships while overlooking the imminent danger of facing severe opposition by the concerned countries.
4. India voices for the right and carries a policy of interference.
5. Cannot be concluded from the passage.

Answer: 2 (Pursuing a neutral bilateral strategy, India has established itself as ideologically neutral and strategically aligned with all the countries.)

Q. (29) Which of the statements is true with respect to the passage?

1. Donald Trump through his bilateral move has widened the gap between Israel and Palestine.
2. The policymakers of India believe that to intensify the global grip is to have other nations work for one's favour.
3. Unlike many Western states India does not act in the pressure of its alliances, the usage Iranian oil being an example.
4. It is believed that the ideological stance of the present government influences India's relationship with Israel.

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5. All of these.

Answer: 5 (All are correct)

Q. (30) What is the cone of the author in the given passage?

1. Critical
2. Analytical
3. Acerbic
4. Sarcastic
5. Objective

Answer: 2 (Analytical)

Solution: In the given passages the author discusses the neutral role played by India at the global platform. He/she analyses the position of India with reference to several countries by putting forth arguments and examples.

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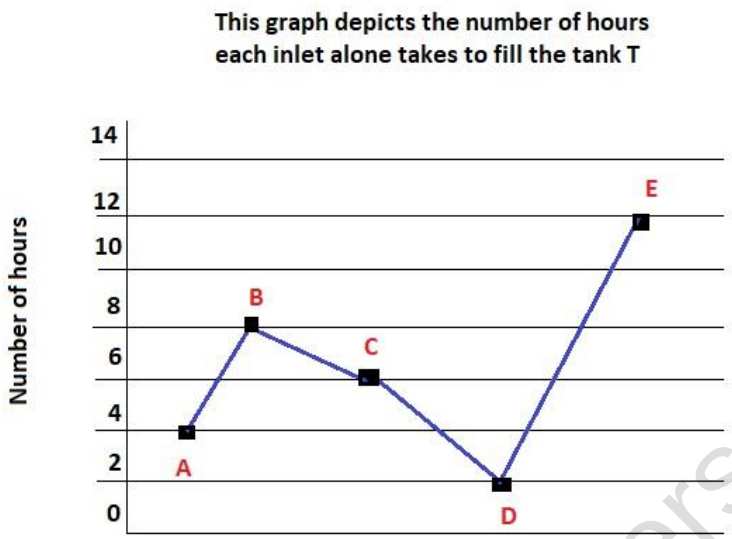
RBI Grade B Previous Year Question Paper 2017

Quantitative Aptitude (Questions and Solutions)

Directions Q. (1 - 6): Study the following graph and table to answer the given questions.



This table depicts the number of hours taken by each outlet alone to empty the full tank 'T'

Outlets	Number of hours
W	__
X	34
Y	__
Z	30

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Q. (1) The time taken to fill the empty tank completely when inlet A and outlet X were opened together is 6 hours 40 minutes less than that taken by inlet B and outlet W together. How much time will outlet W alone take to completely empty the full tank?

1. 26

2. 28
3. 20
4. 48
5. 24

Answer: 2 (28 hours)

Solution:

Let W alone will empty the full tank in x hours

1 hour work of inlet A and outlet X = ¼ - (1/34) = 15/68

Therefore, time taken by inlet A and outlet X to fill the tank = 68/15

1 hour work of inlet B and outlet W = ⅛ - (1/x) = (x - 8)/8x

∴ Time taken by inlet B and outlet W to fill the tank = 8x/(x - 8)

According to the question,

[8x/(x - 8)] - (68/15) = 6 + (40/60)

⇒ [8x/(x - 8)] = 168/15

⇒ x/(x-8) = 21/15

⇒ x/(x - 8) = 7/5

⇒ 5x = 7x - 56

⇒ 2x = 56

⇒ x = 28 hours

Q. (2) When the tank was completely full, outlets X and Y were opened together for 8 hours 30 minutes. Both were then closed and inlet A was opened which filled the tank completely in 3 hours 30 minutes. In how much time (In hours) will outlet Y alone to empty the full tank?

1. 15
2. 13 ⅗
3. 14
4. 18
5. 15 ½

Answer: 2 (13 ⅗ hours)

Solution:

The part of tank filled by inlet A in 4 hours = 1

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∴ The part of tank filled by inlet A in 3 ½ hours = (7/2) x ¼ = ⅞

Let outlet Y will empty the full tank in X hours

Now, 8 hours 30 minutes = 17/2 hours

According to the question,

[17/ (2 x 34)] + [17/ (2X)] = ⅞

⇒ 17/2 [(1/34) + (1/X)] = ⅞

⇒ (1/34) + (1/X) = 7/68

⇒ 1/X = (7/68) - (1/34)

⇒ 1/X = 5/68

⇒ X = 68/5

⇒ X = 13 ⅗ hours

Q. (3) When the tank was completely full. Outlets X and Z were opened together for 'H' hours. Had outlet Z been open alone, it would have taken 'H + 10' hours to empty the same quantity of water from the tank. What is the value of 'H'?

1. 10
2. 18
3. 11 ⅓
4. 18 ⅓
5. 10 ⅔

Answer: 3

Solution:

According to the question,

(H/34) + (H/30) = (H + 10)/30

⇒ (30H + 34H)/ (34 x 30) = (H + 10)/30

⇒ 64H = 34H + 340

⇒ 30H = 340

⇒ H = 34/3

⇒ H = 11 ⅓ hours

Q. (4) Inlet E was open for 2 hours and then closed. If the remaining tank was filled by inlets B and C together, what was the total time (in hours) taken to fill the tank completely?

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

Answer: 4 (4 6/7 hours)

Solution:

The part of tank filled by inlet E in 2 hours = 2/12 = ⅙

∴ Remaining part = 1 - (⅙) = 5/6

Inlet (B + C)'s 1 hour's work = ⅛ + ⅙

= (3 + 4)/24

= 7/24

Time taken by inlet B and C to fill ⅚ th part of the tank = (24/7) x ⅚ = 20/7

∴ Total time taken = 2 + (20/7) = 34/7 = 4 6/7 hours

Q. (5) When the tank was completely empty, inlet A, D and E were opened for one hour each and then closed. If after that outlet Z was opened, how much time (in hours) will it take to empty the tank completely?

1. 15 ⅖
2. 18
3. 17
4. 20
5. 25

Answers:

Solution:

The part filled by inlet A, D and E in 1 hour = ¼ + ½ + ½ = 10/12 = ⅚

Outlet Z's 1 hour's work = 1/30

∴ Time taken by outlet Z to empty ⅚ th part of the tank = ⅚ x 30 = 25 hours

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Q. (6) The difference between the area of the circular field and the area of a square field is 168 sq m. Side of the square field is equal to the diameter of the circular field. What is the cost of fencing the square field at a rate of 20 per metre?

1. 2,480/-
2. 2,420/-
3. 2,520/-
4. 2,240/-
5. 2,380/-

Answer: 4

Solution:

Let the side of the square = a metre and the radius of the circle = r metre

Area of a circle = π x $(\text{radius})^2$ and area of a square = $(\text{side})^2$

According to question,

$a^2 - \pi r^2 = 168$

$\Rightarrow (2r)^2 - (22/7)r^2 = 168$

$\Rightarrow r^2(28 - 22) = 168 \times 7$

$\Rightarrow r^2 = (168 \times 7)/6$

$\Rightarrow r^2 = 196$

$\Rightarrow r = 14$ m

Therefore, side of the square = 2r = 2 x 14 = 28 m

Perimeter of the square = 4 x 28 = 112 m

∴ Required cost = 112 x 20 = Rs. 2,240

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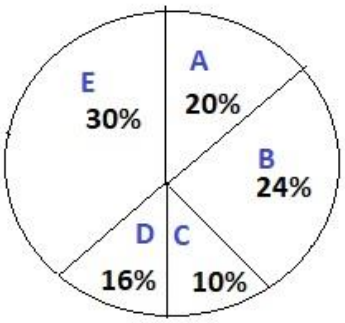
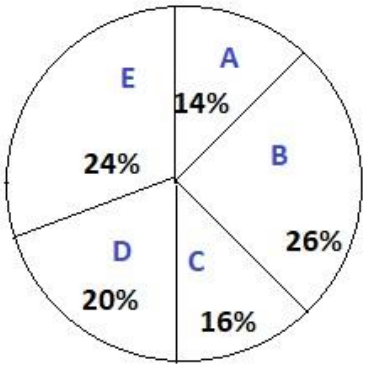
Directions Q. (7 -11): Refer to the pie charts to answer the given questions.

Data regarding villages – A, B, C, D and E in a district in 2015

Total village population = 18000



Total number of illiterates = 40% of the total village population



Total village population = Number of literates + Number of Illiterates

Q. (7) In 2017, the population of village C remained the same as that in 2015, but the number of literates increased by 'X'. As a result, the total number of literates become 70% more than that of illiterates. What is the value of 'X'?

1. 620
2. 440
3. 680
4. 485
5. 430

Answer: 4

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Solution: The population of village C in 2015 = 18000 x 10/100 = 1800

The population of village C in 2017 = 1800

In the year 2015, total number of Illiterates = 18000 x (40/100) x (16/100) = 1152

Total number of literates = 1800 - 1152 = 648

In year 2017,

Number of literates = 648 + x

Therefore, number of illiterates = 1152 – x

According to the question,

648 + x = (1152 - x) (170/100)

⇒ 6480 + 10x = 19584 - 17x

⇒ 27x = 13104

⇒ x = 485 (approx.)

Q. (8) The difference between the number of illiterates in village D and E is approximately what percent of that of literates in village D and E?

1. 30
2. 20
3. 35
4. 13
5. 15

Answer: 4

Solution: The population of village D = 18000 x 16/100 = 2880

Total number of illiterates = 18000 x (40/100) x (20/100) = 1440

∴ Total number of literates = 2880 - 1440 = 1440

The population of village E = 18000 x 30/100 = 5400

Total number of illiterates = 18000 x (40/100) x (24/100) = 1728

∴ Total number of literates = 5400 - 1728 = 3672

Now, difference of illiterates = 1728 – 1440 = 288

Difference of literates = 3672 – 1440 = 2232

∴ Required percentage = (288/2232) x 100 = 13 %(approx.)

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Q. (9) In Village D, the male to female ratio among the illiterates is 5:3 respectively. Out of the illiterates. If ‘X” females and 1.25 X’ males work as farmers and the ratio between males and females who do not work as farmers is 5:2 respectively, what is the value of ‘X’?

1. 240
2. 300
3. 360
4. 380
5. 280

Answer: 3

Solution:

Total number of illiterates in village D = 18000 x (40/100) x (20/100) = 1440

∴ Number of males = 1440 x ⅝ = 900

Number of females = 1440 x ⅜ = 540

According to the question, (900 - 1.25x)/ (540 - x) = 5/2

⇒ 1800 - 2.5x = 2700 - 5x

⇒ 2.5x = 900

⇒ x = 360

Q. (10) The average number of illiterates in village D, F and G is 1910.

40% and 30% of the population of villages F and G respectively are illiterate. If the ratio of the population of Village F and G is 4:5 respectively, what is the total population of Villages F and G together?

1. 10000
2. 12000
3. 12456
4. 13000
5. 14000

Answer: 3

Solution:

Illiterates in village D, F and G = 1910 x 3 = 5730

Illiterates in village F and G = 5730 - 1440 = 4290

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Let the populations of F and G be 4x and 5x.

According to question,

(4x40/100)+(5x30/100)=4290

⇒ 160x + 150x=429000

⇒ 310x=429000

⇒ x=1384

∴ Total population of village F and G = 9x= 9 x 1384 = 12456

Q. (11) In Village A, if the respective ratio between the number of males and females is 17:13 and there are 1000 illiterate males in village A, what is the number of male literates in village A?

1. 480
2. 540
3. 940
4. 1040
5. 1140

Answer: 4

Solution: Population of village A = 18000 x (20/100) = 3600

Total number of males = 3600 x (17/30) = 2040

Hence, the total number of literate males = 2040 - 1000 = 1040

Q. (12) A can complete a project in 20 days and B can complete the same project in 30 days. If A and B start working on the project together and A quits 10 days before the project is completed, in how many days will the project be completed?

1. 18 days
2. 27 days
3. 26.67 days
4. 16 days
5. 12 days

Answer: 1

Solution: Let the project will be completed in x days.

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According to the question,

[(x - 10)/20] + (x/ 30) = 1

⇒ (3x - 30 + 2x)/60 = 1

⇒ 5x - 30 = 60

⇒ 5x = 90

⇒ x = 18 days

Q. (13) A runs 25% faster than B and is able to allow B a lead of 7 m to end a race in a dead heat. What is the length of the race?

1. 10 m
2. 25 m
3. 45 m
4. 15 m
5. 35 m

Answer: 5 (35 m)

Solution: Let the length of the race = d metre and B's speed = Y

Therefore, the speed of A = Y x (125/100) = 5Y/4

Since, time of A and B are equal, therefore.

d/(5Y/4) = (d - 7)/Y

⇒ 4d = 5d - 35

⇒ d = 35

Q. (14) A train travelling at 100 km/h overtakes a motorbike travelling at 64 km/h in 40 sec. What is the length of the train in meters?

1. 1777 m
2. 1822 m
3. 400 m
4. 1111 m
5. 600 m

Answer: 3 (400 m)

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Solution:

Relative speed of the train with respect to the motorbike = 100 - 64 = 36 km/hour

Given, time = 40 sec = 40/3600 hours

Hence, distance (in this case the length of the train) = Speed x Time

= 36 x (40/3600)

=4km

=400 m

Q. (15) A boat running upstream takes 8 hours 48 minutes to cover a certain distance, while it takes 4 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and speed of the water current respectively?

1. 2:1
2. 3:2
3. 8:3
4. 3:5
5. 8:2

Answer: 3 (8:3)

Solution: Let the speed of the boat in still water = x and the speed of current = y

∴ According to question,

(8+48/60)(x-y)=4(x-y)

⇒(8+4/5) (x-y)=4(x+y)

⇒44/5 (x-y)=4(x+y)

⇒ 11x-11y=5x+5y

⇒6x=16y

⇒x/y=8/3

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Q. (16) A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest 6,500/- for 6 months, B, 8,400/- for 5 months and C, 10,000/- for 3 months. A wants to be the working member for which he was to receive 5% of the profits. The profit earned was 7,400/-. What is the share of B in the profit?

1. 1,900/-
2. 2,660/-

3. 2,800/-
4. 2,840/-
5. 2,900/-

Answer: 2

Solution: The ratio of the investment of A, B and C = (6500 x 6):(8400 x 5):(10000 x 3)

= 13:14:10

∴ B's share in profit = 7400 x (95/100)[14/(13 + 14 + 10)]

= 74 x 95 x (14/27)

= 2660

Q. (17) How much time will it take for an amount of 900/- to yield 81/- as interest at 4.5% per annum of simple interest?

1. 2 years
2. 3 years
3. 1 year
4. 4 years
5. 5 years

Answer: 1

Solution: Let the time period be t

∴ According to the question,

(900 x 4.5 x t)/100 = 81

⇒ t = 9/4.5

⇒ t = 2 years

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Q. (18) Mr. Thomas invested an amount of 13,900/- divided into two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be 3,508/- what was the amount invested in Scheme B?

1. 6,400/-
2. 7,200/-
3. 6,500/-

4. 7,500/-
5. 7,000/-

Answer: 1

Solution:

Let the amount invested in scheme B = x and the amount invested in scheme A = 13900 – x According to question,

[(13900-x)142]/100 + [(x112)/100]= 3508

⇒(1390028) -(28x -22x)=350800

⇒ 389200-6x=350800

⇒6x=38400

⇒x=6400

Q. (19) A bag contains 2 red 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?

1. 10/21
2. 11/21
3. 2/7
4. 5/7
5. 3/7

Answer: 1

Solution: Total number of balls = 7

∴ Total possible outcomes = $^{7}C_{2}$ = (7 x 6)/(1 x 2) = 21

Favourable outcomes = Number of ways of drawing 2 balls out of 2 red and 3 green balls

= $^{5}C_{2}$ = (5 x 4)/(1 x 2) = 10

∴ Required probability = 10/21

Q. (20) A can contain a mixture of two liquids A and B is the ratio 7:5. When 9 litres of mixture is drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many litres of liquid A was contained by the can initially?

1. 10

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2. 20
3. 21
4. 25
5. 29

Answer: 3

Solution: Let the initial quantity of liquid A be 7x

The initial quantity of liquid B be 5x

According to question,

[7x-(97/12)][5x-{(95/12)+9}]=7/9

⇒ (84x-63)/[60x-(45+108)]=7/9

⇒(12x-9)/[20x-(15+36)]=1/3

⇒16x=48

⇒x=3

∴ The initial quantity of liquid A = 7 x 3 = 21 litres

Directions Q. (21 - 25): In the given questions, two quantities are given, one as Quantity I and another as Quantity II. You have to determine the relationship between the two quantities and choose the appropriate option.

1. If quantity I ≥ quantity II
2. If quantity I > quantity II
3. If quantity I < quantity II
4. If quantity I = quantity II or the relationship cannot be established from the information that is given
5. If quantity I ≤ quantity II

Q. (21) The boat takes a total time of 4 hours to travel 14 km upstream and 36 km downstream together. The boat takes total time of 5 hours to travel 20 km upstream and 24 km downstream together?

Quantity:

I. Speed of the boat in still water (in km/h)

II. 16 km/h

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Answer: 2

Solution: Let the speed of boat in still water = x

Speed of current = y

According to question, $14/(x - y) + 36/(x + y) = 4$

$\Rightarrow 7/(x - y) + 18/(x + y) = 2$_____(i)

$\Rightarrow 20/(x - y) + 24/(x + y) = 5$ _____(ii)

Equation (ii) X 3 - Equation (i) X 4

$\Rightarrow 60/(x - y) + 72/(x + y) - 28/(x - y) - 72/(x + y) = 15 - 8$

$\Rightarrow 32/(x - y) = 7$

$\Rightarrow x - y = 32/7$ _____ (iii)

From equation (i), $7/(32/7) + 18/(x + y) = 2$

$\Rightarrow 18/(x + y) = 2 - (49/32)$

$\Rightarrow 18/(x + y) = 15/32$

$\Rightarrow 6 \times 32 = 5(x + y)$

$\Rightarrow x + y = 192/5$ _____ (iv)

On adding equations (iii) and (iv), we get

$\Rightarrow 2x = (32/7) + (192/5)$

$\Rightarrow x = (16/7) + (96/5)$

$\Rightarrow x = 752/35$

$\Rightarrow x = 21.48$

$\therefore$ Quantity I > Quantity II

Q. (22) M is an integer selected at random from the set.

(7, 14, 25, 27, 33, 29 and 30)

Quantity:

I. The probability that the average of 12, 9 and M is at least 17

II. ⅓

Answer: 2

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Solution: Considering quantity I, the value of M cannot be less than 30.

Therefore, from the given set of integers, the possible values for M = 30, 33

Hence, required probability = 2/7

Thus, Quantity I < Quantity II

Q. (23) $(x^2/5) + x + 4/5 = 0$

$3y^2 + 4y + 1 = 0$

Quantity:

I. x

II. y

Answer: 5

Solution: $(x^2/5) + x + 4/5 = 0$

$\Rightarrow x^2 + 5x + 4 = 0$

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

$\Rightarrow x(x + 4) + (x + 4) = 0$

$\Rightarrow (x + 1)(x + 4) = 0$

$\Rightarrow x = -1, -4$

$3y^2 + 4y + 1 = 0$

$\Rightarrow 3y^2 + 3y + y + 1 = 0$

$\Rightarrow 3y(y + 1) + (y + 1) = 0$

$\Rightarrow (y + 1)(3y + 1) = 0$

$\Rightarrow y = -1, -1/3$

Therefore, $x \leq y$

Hence, quantity I ≤ quantity II

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Q. (24) $mn \neq 0$

Quantity:

I. $m = n$

II. m/n

Answer: 4

Solution: $mn \neq 0$

Therefore, $m, n > 0$, $m > 0$, $n > 0$

Or, $m,n < 0$, $m < 0$, $n < 0$

From quantity I, $m = n$

Hence, $m/n = 1$

From quantity II, $m/n > 1$ or $m/n < 1$

So relation cannot be determined.

Q. (25) A and B can together finish a piece of work in 20 days. If B starts working and after 15 days is replaced by A, A can finish the remaining work in 24 days.

Quantity:

I. The number of days taken by B alone to finish the same piece of work.

II. The number of days taken by A alone to finish the same piece of work.

Answer: 2

Solution: According to question,

$1/A + 1/B = 1/20$ _____ (i)

$24/A + 15/B = 1$ _____ (ii)

Equation (i) x 24 - Equation (ii),

$24/B - 15/B = 24/20 - 1$

$\Rightarrow 9/B = 4/20$

$\Rightarrow B = 45$ days

Therefore, equation (i) $\Rightarrow$ $1/A + 1/45 = 1/20$

$\Rightarrow 1/A = 1/20 - 1/45$

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⇒ 1/A = 5/180

⇒ A = 36 days

Hence, quantity I > quantity II

Directions Q. (26 - 30): Study the given information carefully and answer the given questions.

The revenue of a given railway zone was collected through Online Ticket Sales, Offline Ticket Sales, Freight, Fines-during 3 Financial Years (FY 2013-14, FY 2014-15, FY 2015-16).

FY 2013-14: Total revenue collected was 3500 crore. Fines (X crore) comprised 7 6/7 % of the total revenue and revenue from online ticket rates was 'X + 300' crore. Revenue from freight was 12% more than that from offline ticket sales.

FY 2014-15: Revenue from online ticket sales increased by ₹ 25 crores over FY 2013-14. Revenue from offline ticket sales was 40% of the total revenue in FY 2014-15. Revenue from Freight and Fines was in the respective ratio of 5:1.

FY 2015-16: Revenue from fines in FY 2013-14 was 11/16th of that in FY 2015-16. Revenue from online ticket sales increased by 50% over that in FY 2014-15 and that from offline ticket sales was the average of that in FY 2013-14 and 2014-15. Revenue from freight has been and will continue to increase steadily by ₹ 250 crores every financial year.

Q. (26) Revenue from fines comprised of two sources-vendors and passengers. Fines from passengers (₹ Y crore) remained constant in FY 2013-14 and FY 2014-15. If the fine from vendors in FY 2013-14 was 55% of that in FY 2014-15, what was the value of Y?

1. 180
2. 200
3. 218
4. 208
5. 220

Answer: 4

Solution: Let the fine from vendors in year 2014-15 = x

The fine from vendors in year 2013-14 = 55x/100 = 11x/20

According to the question,

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11x/20 + y = 275 _____(i)

x + y = 330 _____(ii)

On solving equations (i) and (ii), we get y = 208

Q. (27) If the rail profit in FY 2014-15 was 12.5% of the total expense, what was the total expense for FY 2014- 15? (in ₹ crore)

1. 2900
2. 2400
3. 3200
4. 3000
5. 3822

Answer: 5

Solution: Let the total expense = x

Profit = x125/100

∴ x+(125x/100)=4300

⇒11.25x/100=4300

⇒ x=430000/11.25

⇒ x=3822

Q. (28) In FY 2017-18, if the revenue from fines increases by 20% over FY 2015-16, what would be the ratio between the revenues from fines and freight in FY 2017-18?

1. 2:3
2. 1:5
3. 2:5
4. 3:4
5. 4:5

Answer: 2:5

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Solution: Freight in financial year 2015-16 = 1900

Freight in financial year 2017-18 = 1900 + 250 + 250 = 2400

Fine in financial year 2015-16 = 400

Fine in financial year 2017-18 = 400 x (120/100) = 480

Required ratio = 480 : 2400 = 1 : 5

Q. (29) If the average revenue from online ticket sales in FY 2014 -15. FY 2015 - 16 and FY 2016 - 17 was ₹ 1150 crore. By what percent did the revenue from online ticket sales increase in FY 2016-17 as compared to that in 2014-15?

1. 250
2. 150
3. 300
4. 225
5. 230

Answer: 4

Solution: Let the online ticket in financial year 2016-17 = x

According to the question,

(600 + 900 + x)/3 = 1150

1500 + x = 3450

x = 1950

∴ Required percentage increase = (1950 - 600)/600 x 100 = 225%

Q. (30) If the average cost of a railway ticket was ₹ 300 in FY 2014 -15 how many passengers travelled by railways in FY 2014-15? (in crore)

1. 4.8
2. 6.4
3. 6.2
4. 5.4
5. 7.73

Answer: 5

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Solution: Required number of passengers = (600 + 1720)/ 300

= 2320/300 = 7.73

Solution Q. (26 - 30):

Financial year (2013-14):

Total revenue = 3500

Fine = 3500 x (55/7) x 1/100 = 275

Online ticket 275 + 300 = 575

Let the revenue from offline ticket sales =x

Freight =x X (112/100)

According to the question,

x+x(112/100)=3500-275-575

⇒ 212x/100=2650

⇒ x=1250

Offline ticket = 1250

∴ Freight = 1250 x (112/100) = 1400

Financial year (2014-15):

Online ticket = 575 + 25 = 600

∴ Freight = 1400 + 250 = 1650

Hence, fine = 1650 x 1/5 = 330

Let the total revenue = x

Offline ticket = 40x/100 = 2x/5

According to the question,

600+ 1650 +330 + (2x/5)=x

⇒ 3x/5=2580

⇒ x=4300

Total revenue = 4300

∴ Offline ticket = 4300 x (40/100) = 1720

Financial year (2015-16):

Fine = 275 x (16/11)

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= 400

∴ Online ticket = 600 x (150/100) = 900

Offline ticket = (1250 + 1720)/2 = 1485

Freight = 1650 + 250 = 1900

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RBI Grade B Reasoning Ability Question Paper 2017 - Phase I

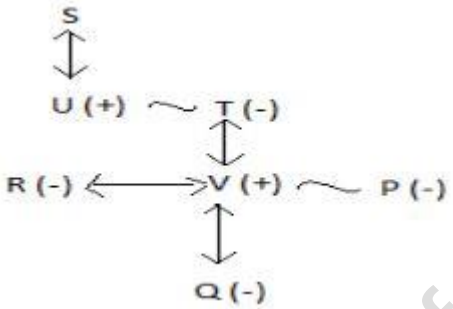
Directions (1-5): Study the given information carefully to answer the given questions.
Seven people P, Q, R, S, T, U, and V are related to each other in some or the other way. Each person is of different age, but not necessarily in the same order. (Note: It is assumed that the husband is older than the wife.) T is older than V but younger than U. P is the mother of Q. R is the sister-in-law of P. R is unmarried. T is the daughter-in-law of S. S is the eldest member of the family. U is the father of only R and V. U does not have any siblings. V does not have any son. R is older than V. The third eldest member of the family is 54 years old. The youngest member of the family is 4 years old.

Q 1. If in the given arrangement, Q + V = 31, then what is the possible age of R?

1. 27
2. 56
3. 23
4. 59
5. 30

Answer: 5

Solution 1:



↔ symbolises 'siblings'
↕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

According to the question, the age of the youngest family member is 4 years. Since Q is the youngest,
Q + V = 31
4 + V = 31
V = 31 - 4 = 27 years

Q 2. If P is 24 years old, what will be the sum of ages of P and T?

1. 28
2. 78
3. 64
4. 49
5. 75

Answer: 2

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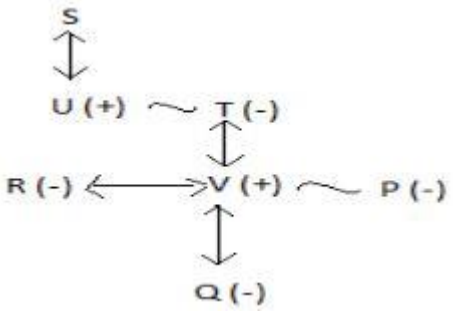
Solution 2:



↔ symbolises 'siblings'
↕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

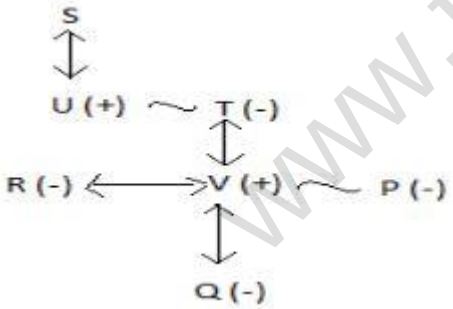
P is 4 years
T is the third eldest member of the family and according to the question, the age of T is 54 years.
So, sum of ages of T and P = 54 + 24 = 78

Q 3. How is T related to Q?

1. Grandmother
2. Granddaughter
3. Aunt
4. Mother-in-law
5. Mother

Answer:

Solution 3:



↔ symbolises 'siblings'
↕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

From the above arrangement, T is the grandmother of Q.

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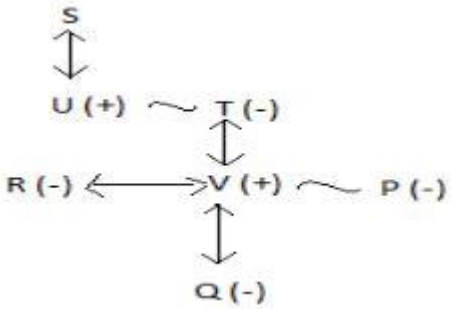
Q 4. If M is married to S, then how is S related to R?

1. Grandmother
2. Granddaughter
3. Grandfather
4. Uncle
5. Cannot be determined

Answer: 5

Solution 4:



↔ symbolises 'siblings'

↕ symbolises parents

- Symbolises male
- Symbolises female

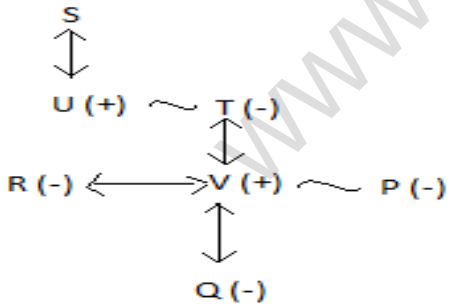
~ symbolises married couples

Q 5. Who amongst the following is/are younger than V?

1. Both P and U
2. Only Q
3. Only P
4. Both P and Q
5. No one

Answer: 4

Solution 5:



⟷ symbolises 'siblings'

↕ symbolises parents

- Symbolises male

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- Symbolises female

~ symbolises married couples

Since it is given in the question that the age of female is less than their male partners. So the age of P and Q is less than V.

Q 6. This consists of a decision and two statements numbered I and II given below it. You have to decide which of the given statements weaken/s or strengthens the decision and decide the appropriate answer.

Decision: The Government of the State decided that no cars in the city X shall be allowed to have tinted glasses from next month.

I. Most of the crimes reported in the past few months in city X had the involvement of cars with tinted glasses.
II. Tinted glasses were responsible for a large number of accidents in city X as they affected visibility during the night.

1. Statement I strengthens the decision while Statement II weakens the decision.
2. Both Statement I and Statement II weaken the decision.
3. Both Statement I and Statement II strengthen the decision.
4. Both Statement I and Statement II are neutral Statements.
5. Statement I weakens the decision while Statement II strengthens the decision.

Answer: 3

Solution 6:
Both the statements strengthens Government's decision because both the statements prove that the cause of accidents in City X was the increase in the number of cars with tinted glasses.

Q 7. This question consists of a Situation and three Statements numbered I, II and III given below it. You have to decide which of the given Statements may be a reason for the given situation.

Situations: Farmers of State D, who traditionally cultivate crop M, bore considerable losses owing to deficiency of nutrient Z in the soil which is vital for adequate growth of crop M. However, this year the farmers registered a 40% growth in production.

I. The farmers of State D have started producing crop Y only (which does not require nutrient Z for growth) for the past two years.
II. Since the past two years, the farmers of State D have been adding fertilizer to the soil which contains nutrient Z.
III. The nutrition this year was 200 more than the previous year in state D.

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

Answer: 3

Directions (8-12): Study the given information carefully to answer the given questions.

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Eight people A, B, C, D, E, F, G, and H live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. Each one of them ran for a different distance in a marathon – 2300 m, 3800 m, 5000 m, 6400 m, 7200 m, 6300 m, 9100 m, and 10000 m but not necessarily in the same order. The one who ran for 5000 m lives on an even-numbered floor above floor number 5. Only three people live between the one who ran for 5000 m and G. The one who ran for 9100 m lives immediately above E. Only two people live between the one who ran for 9100 m and A. A does not live on the topmost floor. The total distance run by people living on floor number 3 and floor number 6 is 11400 m. The one who ran for 6300 m, lives immediately above the one who ran for 3800 m. Neither E nor A ran for 6300 m. Only two people live between B and the one who ran for 6300 m. The one who lives immediately below D ran for a distance more than that of B, but not the most. No one lives between H and the one who ran for 7200 m. E did not run for 7200 m. The one who ran for 10000 m lives immediately above D. C and G ran together for 16,300 m. C ran more than G.

Q 8. If M ran for 2000 m more than B, than for how many meters did M run?

1. 5200 m
2. 5800 m
3. 4900 m
4. 70000 m
5. 4300 m

Answer: 3

Solution:
B ran 2300m
M ran for (2300 + 2000) m = 4300 m

Q 9. Which of the following statements is true with respect to the given arrangement?

1. D lives on the topmost floor.
2. Only two people live between G and F
3. None of the given options is true
4. The one who ran for 2300m lives immediately above F.
5. A ran for 9100 m

Answer: 4

Q 10. Who amongst the following lives immediately above the one who ran for 7200 m?

1. The one who ran for 10000 m
2. H
3. F
4. The one who ran for 3800 m
5. A

Answer: 1

Q 11. Which of the given combinations is correct as per the given arrangement?

1. Floor number 7- 3800 m
2. Floor number 3- E
3. C- 9100 m
4. D- 5000 m
5. Floor number 2-7200 m

Answer: 2

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Q 12. How many metres did F and A together run?

1. 16200 m
2. 7300 m
3. 12900 m
4. 15300 m
5. 11400 m

Answer: 3

Solution :
(9100 + 3800)m = 12900 m

Solution (8-12):

8	C	10000 m
7	D	7200 m
6	H	5000 m
5	B	2300 m
4	F	9100 m
3	E	6400 m
2	G	6300 m
1	A	3800 m

Directions (13-15): In these questions, two/three statements followed by two conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follow the given statements?

Q 13.
Statements :
Some planets are stars.
All stars are comets.
No comet is an astronaut.
Conclusion I: No star is an astronaut
Conclusion II: All astronauts are planets

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 1

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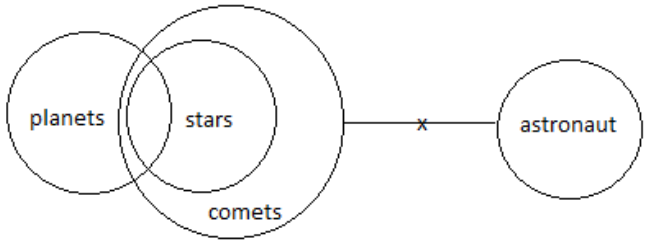
Solution 13:

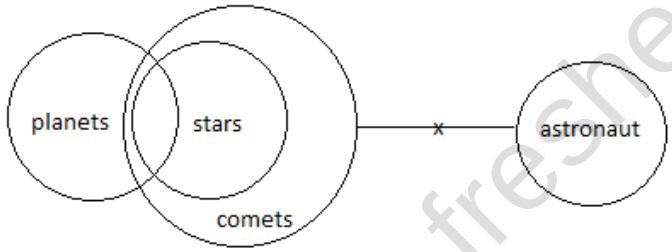


Q 14.
Statements :
Some planets are stars.
All stars are comets.
No comet is an astronaut.
Conclusion I: Some planets being astronauts is a possibility.
Conclusion II: At least some comets are planets

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 2

Solution 14:



Q 15.
Statements: All trains are buses.
All buses are rickshaws. No rickshaw is a plane.
Conclusion I: All trains are rickshaws.
Conclusion II: All plains being trains is a possibility.

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 1

Solution 15:

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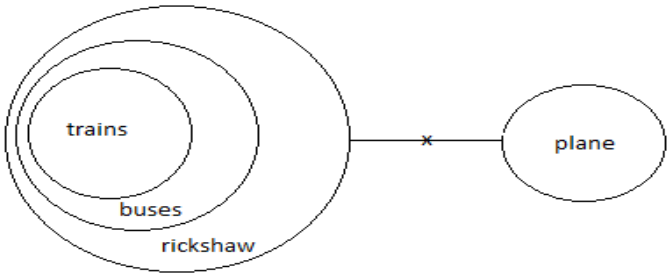

Directions (16-21): Study the given information carefully and answer the given questions.

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1 S, T, U, V, W, and X are seated and all of them are facing south. In row-2 M, N, O, P, Q, and R are seated and all of them are
facing north. Therefore in the given seating arrangement, each member seated in a row faces another member of the other row. No two people with names starting with a consecutive neighbor of each other. For e.g. A is not an immediate neighbor of B. B is not an immediate neighbor of either A or C and so on. Each of them also likes different movies viz. Vertigo, Cinderella, Twilight, Gladiator, Uninhabited, Inception, Frozen, Watchmen, Tangled, Aladdin, Hero and Wanted.
[Note: None of the information given is necessary in the same order.]
T sits at the extreme end of the line. Only two people sit between T and the one who likes Frozen. N sits second to the left of the one who faces the one who likes Frozen. The one who likes Twilight sits second to the right of O. T does not face the one who likes Twilight. Only two persons sit between P and R. U does not sit an extreme end of the line. X is not an immediate neighbor of T. V faces the one who likes Tangled. Only three people sit between the ones who like Tangled and Vertigo. R likes Inception. Only one person sits between R and M. One of the immediate neighbors of M faces the one who likes Hero. The one who likes Cinderella sits to the immediate left of S. P sits second to the right of the one who likes Aladdin. Only one person sits between the one who likes watchmen and wanted. T does not like wanted. N does not like
Gladiator.

Q 16. Which of the following statements is true as per the given arrangement?
1. U likes Watchmen.
2. Q faces one of the immediate neighbours of W.
3. P is an immediate neighbor of N.
4. None of the given statements is true.
5. S sits between V and X.

Answer: 2

Q 17. Who amongst the following likes uninhabited?
1. P
2. W
3. S
4. X
5. N

Answer: 5

Q 18. Who amongst the following is facing Q?
1. X
2. V
3. The one who likes Watchmen

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4. S
5. The one who likes Frozen

Answer: 3

Q 19. Four of the following five are alike in a certain way based on the given arrangement and hence from a group. Which of them do not belong to that group?

1. The one who likes Tangled
2. N
3. The one who likes Vertigo
4. The one who likes Gladiator
5. V

Answer: 3

Q 20. W is related to Cinderella and P is related to Inception in a certain way based on the given arrangement. To which of the following is U related, following the same pattern?

1. The one who faces P
2. The one who faces O
3. T
4. S
5. The one who likes Uninhabited

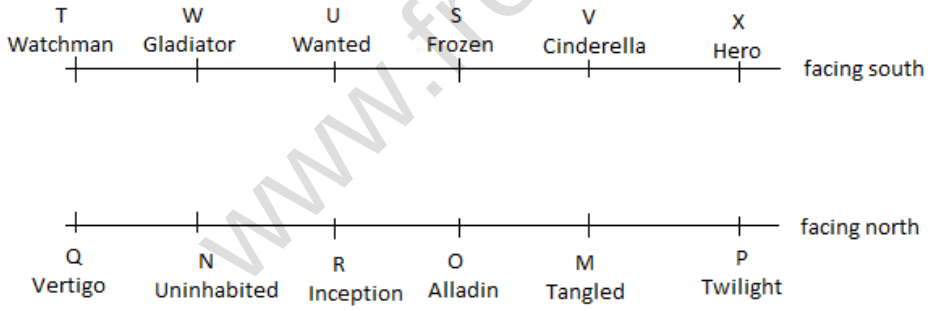
Answer: 1

Q 21. What is the position of Q with respect to the one who likes Inception?

1. Third to the right
2. Second to the right
3. Third to the left
4. Second to the left
5. Fourth to the left

Answer: 4

Solution (16-21):



Directions (22-27): Study the information carefully and answer the questions.
Professor O, P, Q, R, S, T, U, V, W, X, Y, and Z had lectures in different months of the same year viz. January, March, April, May, June, and December but not necessarily in the same order. All the lectures are either on the 12th or 25th of these months. No two professors had lectures on the same day. Each professor also likes different colors namely Red, Blue, Green, Yellow, Orange, White, Pink, Silver, Maroon, Violet, Brown, and Grey but not necessarily in the same order.
Note: No lecture was conducted in any other month of the same year.

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V had a lecture on 12th April. Only two people had lectures between V and Q. The one who likes red had a lecture in the same month as Q. Q does not like red. The one who likes White had a lecture on an even-numbered date of the month which had exactly 30 days. V does not like white. Only three people had a lecture between the one who likes White and the one who likes Violet. As many people had lectures between the one who likes red and O as between Q and the one who likes White. Only two people had lectures between O and the one who likes Blue. U had a lecture on the 12th of a month before the one who likes Violet. U likes neither red nor blue. Only two people had lectures between U and the one who likes Orange. Only two people had lectures between the one who likes Orange and the one who likes Green. X had a lecture in the same month as the one who likes green. As many people had a lecture after W as before X. Only one person had a lecture between W and Z. Z had a lecture before W. the one who likes Pink had a lecture on an odd-numbered day in the same month as Z. P had a lecture on the 12th of the same month as R. Only two people had lectures between P and the one who likes Yellow. The one who likes maroon had a lecture before P. T likes brown. S does not like Red. W does not like Grey.

Q 22. Which of the following combinations indicate those who had a lecture in March?

1. The one who likes Maroon and R
2. U and X
3. P and R
4. The one who likes Green and the one who likes pink
5. R and V

Answer: 3

Q 23. Which of the following combination is correct?

1. W-White
2. X-Pink
3. U-Grey
4. V-Violet
5. O-Red

Answer: 4

Q 24. If Y is related to White and P is related to Violet based on the given arrangement, then which of the following is related to O following the same pattern?

1. Grey
2. Pink
3. Brown
4. Maroon
5. Silver

Answer: 1

Q 25. How many people have lectures between the lectures by X and Y?

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

Answer: 2

Q 26. Four of the following five are alike in a certain way based on the given seating arrangement and hence form a group. Which of the following does not belong to that group?

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1. 12-Y
2. 25-O
3. 12-Green
4. 25-T
5. 12-Pink

Answer: 5

Q 27. Who amongst the following had a lecture in the same month as S?

1. V
2. The one who likes Grey
3. The one who likes White
4. The one who likes Yellow
5. W

Answer: 3

Solution (22-17):

12th January	U	Green
25th January	X	Maroon
12th March	P	Blue
25th March	R	Orange
12th April	V	Violet
25th April	O	Yellow
12th May	Y	Red
25th May	Q	Grey
12th June	Z	White
25th June	S	Pink
12th December	W	Silver
25th December	T	Brown

Q 28. In which of the given expressions does the expression R ≤ T definitely holds true?

1. T ≥ L ≥ M, R ≥ O > M
2. T > L > M, R ≤ M ≤ O
3. T > L > M, R ≥ O ≥ M
4. T ≥ L ≥ M, R ≤ O ≤ M
5. T > L = M, R < O ≤ M

Answer: 4

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Solution 28:
T ≥ L ≥ M ≥ O ≥ R

Q 29. Read the following information and answer the question. 'If we take a close look at the balance sheets of previous five years, it shows that the amount of loans taken by the company against fixed assets has only increased, the result of which is poor financial health of the company this year'. Financial report of Company B. Which of the following can be inferred from the statement of the financial report of the company B?

A. Decreasing the amount of loans against fixed assets will improve the financial health of company B.
B. The value of the fixed assets of Company B has decreased by taking loans against them.
C. An analysis of the balance sheets of a company throws light on its financial health.
D. Company B had not taken any loans in any financial year other than the said five years.

1. None can be inferred
2. Both A and D
3. Both A and C
4. Only D
5. Only B

Answer: 3

Solution 29:

Q 30. Study the following information and answer the question given. School X had been allowing local people to use their basketball court and cricket ground after school hours by charging fees for the same. This had helped the school generate a significant amount of additional income in the past few years. However, this year the school decided to discontinue the practice.

Which of the following statements does not strengthen the decision of School X of discontinuing the practice?

1. The number of people using the basketball court and cricket ground of school is slightly decreased last year as other schools in the vicinity also started following the same practice.
2. School X could not win even a single trophy in the past few years annual inter-school games competition as the participants did not get adequate time for practice due to access to rounds to local people.
3. Complaints by the nearby residents of school X have increased about the increased disturbance created by the users of the basketball court and cricket ground beyond school hours.
4. The damage caused to the basketball court and cricket ground of school X has increased significantly due to over-use by the subsiders thus not allowing the students to play.
5. The governing board of school X denied access to school premises in any number by the subsiders (other than parents of students) in this year's board meeting for security reasons.

Answer: 5

Directions (31-32): In these questions, four statements followed by five conclusions are given, one of which definitely does not logically follow for is not a possibility of economical) from the given statements. That conclusion is your answer.
(Note: You have to take the four given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically does not follow from the given statements.)

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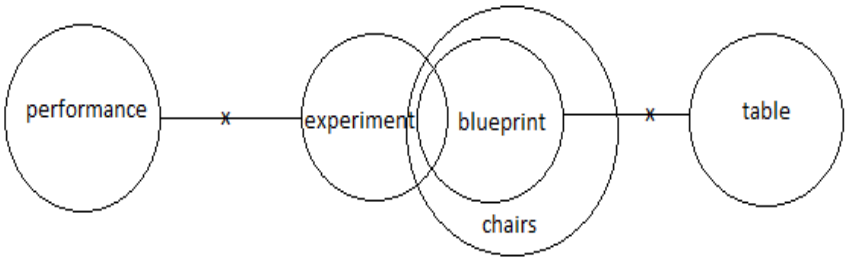
Q 31. Statements: No performance is an experiment. Some experiments are Blueprints. No blueprint is a table. All blueprints are chairs.

1. Conclusion: Some experiments are definitely not tables.
2. Conclusion: At least some experiments are chairs.
3. Conclusion: All chairs being performances is a possibility
4. Conclusion: All tables being experiments is a possibility.
5. Conclusion: All blueprints can never be performances.

Answer: 3

Solution 31:

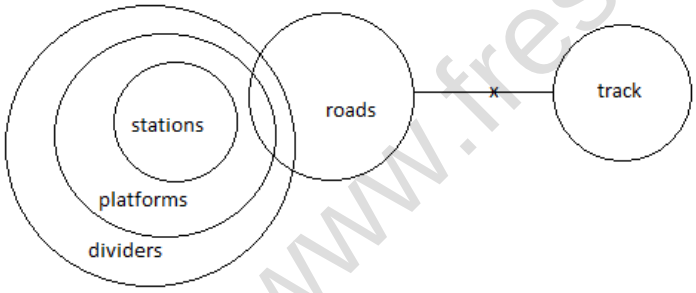


Q 32. Statements: All stations are platforms. All platforms are dividers. Some platforms are roads. No road is a track.

1. Conclusion: All stations are dividers.
2. Conclusion: Some platforms are definitely not tracks.
3. Conclusion : All tracks being stations is a possibility.
4. Conclusion: All dividers being tracks is a possibility
5. Conclusion: Some dividers are roads.

Answer:

Solution 32:



Directions (33-36): In these questions, the relationship between different elements is shown in the statements. The statements are followed by two conclusions.

Q 33.
Statements: B ≤ R ≤ U ≥ S > H; Y < O ≤ U ≤ A
Conclusion I: B = A
Conclusion II: B > A

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true

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5. If both conclusion I and II are true

Answer: 3

Solution 33:

Y
∧
O
∧I
B ≤ R ≤ U ≥ S > H
∧I
A

Q 34.

Statements: B ≤ R ≤ U ≥ S > H; Y < O ≤ U ≤ A

Conclusion I: S ≥ O

Conclusion II: R < Y

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 4

Solution 34:

Y
∧
O
∧I
B ≤ R ≤ U ≥ S > H
∧I
A

Q 35.

Statements: S = H ≥ A ≥ P = E; P < L ≤ R ≤ E

Conclusion II: S ≥ L

Conclusion II: E < A

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 2

Solution 35:

S = H ≥ A ≥ P = E
V
L
VI
R
VI

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E

Q 36.
Statement: S = H ≥ A ≥ P = E;P < L ≤ R ≤ E
Conclusion I: S < P
Conclusion II: P < A

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 4

Solution 36:
S = H ≥ A ≥ P = E
V
L
VI
R
VI
E

Q 37. Study the given information carefully to answer the given question.
'Goldkart', a leading gold jewelry chain in country 'Rikmaya' is famous for good jewelry with intricate designs. However, it recently chose to import jewellery from Country X for sale besides selling just intricate designs.
Which of the following cannot be a reason behind the decisions taken by 'Goldkart'?

1. Gold jewelry with intricate designs was a brainchild of 'Goldkart' in order to have an edge over other jewelry companies. Since these designs are now overused, they wish to bring a newer concept of designs.
2. The new concept of layered gold jewelry recently started by company X is widely in the news worldwide.
3. The Jewellery designers of 'Goldkart' haven't updated their skills for 5-6 years making them incompetent as compared to other designers of the country.
4. Since country X has quoted high prices to export gold jewelry to 'Goldkart', the profit gained by 'Goldkart' is just 18% more than the usual profit.
5. None of those given as options.

Answer: 5

Q 38. Read the given information and answer the question.
A road construction project has been going on in State Y and was due to be completed two months ago. The government of that time had extended the deadline of the project by three months and also allowed truck carrying the raw material to pass through city 2 in order to speed up the process. Yet the construction work is further delayed and is not likely to get over in the extended deadline as well.

Which of the following may NOT be a reason for the delay of construction work in State Y?

1. the workers have started going on strike and off since the past four months as they demanding higher wages.

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2. Some part of the land on which the road is to be constructed is owned privately and a dispute is going on in the court regarding the same.
3. Monsoon have approached State Y and due to heavy rainfall the construction work is 3 times slower than you.
4. Due to several complaints by the residents living in the vicinity of the construction site, the construction work is done for four hours less than the usual construction hours since paid four months.
5. Most roads of city 2 have traffic jams in the morning as well as most people in the city travel to work by road.

Answer: 5

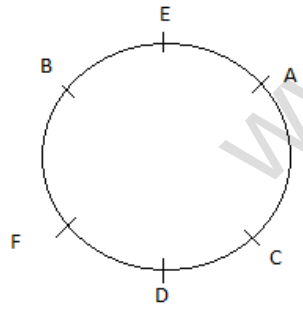
Directions (39-41): These questions consist of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and mark the appropriate answer.

Q 39. Six people A, B, C, D, E, and F are sitting around a circular table facing the centre. What is E's position with respect to F?
I. A site second to the right of D. Only two people sit between A and F. B sits to the immediate right of E.
II. Only two people sit between D and E. E is an immediate neighbour of both B and A. C is not an immediate neighbour of B.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 1

Solution 39:
Statement I gives a solution:



Statement II gives a solution:

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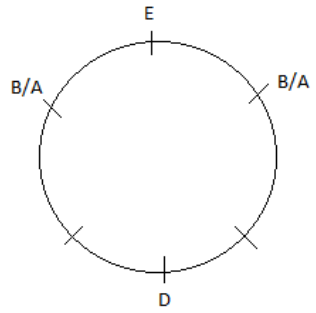

Therefore, a solution is only application for the first statement.

Q 40. How is 'dwarf' definitely coded in the same code language?
I. In a certain code language, 'the dwarf planet' is coded as 'cq sd ap' and 'the solar energy' is coded as 'kb og sd'.
II. In a certain code language, 'only dwarf planet' is coded as 'cq ap st', 'the coldest planet' is coded as 'sd cq yt'.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 4

Solution 40:
The code for the word 'dwarf' can only be attained with the help of both the statements together.

Q 41. Fifteen people are standing in a straight row facing north. What is M's position with respect to S?
I. P stands third from the left end of the row. Only two people stand between P and M. N stands third to the right of M. S is an immediate neighbor of N.
II. Q stands second from the right end of the row. Only two people stand between Q and O. O is an immediate neighbor of S. As many people stand to the left of M as to the right of S.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 2

Q 42. This question consists of two statements numbered I and II. These statements may be either independent causes or effects of independent causes or a common cause. One of these statements

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may be the effect of the other statement. Read both the statements and decide which of the given answer choices depicts the relationship between these two statements.

Statements: I. Unlike the last two years, the amount of toxic gases such as carbon monoxide and sulphur dioxide along with volatile organic compounds present in the atmosphere crossed the permissible limit in Country X this year.
II. The emissions from stationary sources such as industries and that from mobile sources such as transport have increased substantially this year in Country X.

1. Both statements I and II are the effects of independent causes.
2. Both statements I and II are effects of some common cause.
3. Statement I is the cause and statement II is its effect.
4. Statement II is the cause and statement I is its effect.
5. Both statements I and II are independent causes.

Answer: 3

Directions (43-47): Study the given information carefully to answer the given questions.
Eight people – A, B, C, D, E, F, G, and H live in eight different cities – Varanasi, Nashik, Chennai, Siliguri, Ujjain, Bhopal, Jaipur and Patna, but not necessarily in the same order. Each one of them also studies in one of the four classes – II, V, VIII and XI. Two people study in each of the given classes.

- A studies in an even-numbered class. The one who lives in Ujjain studies with A.
- The one who lives in Varanasi and Jaipur study in the same class, but in a class lower than VIII. D studies in a class lower than that of the one who lives in Varanasi.
- The one who lives in Nashik studies with H in the same class, but not in Class XI. D does not live in Nashik.
- B and G study in different classes. B lives neither in Jaipur nor in Nashik. G is senior to both B and H. Neither B nor the one who lives in Siliguri study in the same class as D. E lives in Siliguri.
- C is junior to F. The one who lives in Patna studies in an odd-numbered class.
- Neither H nor D lives in Bhopal. The one who lives in Chennai is senior to the one who lives in Bhopal.

Q 43. In which of the following cities does C live?

1. Bhopal
2. Chennai
3. Jaipur
4. Nashik
5. Varanasi

Answer: 3

Q 44. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following cities does not belong to the group?

1. G-Siliguri
2. D- Bhopal
3. C-Varanasi
4. F-Chennai
5. A-Patna

Answer: 4

Q 45. In which class does H study?

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1. The one in which studies
2. VIII
3. The one in which E studies
4. V
5. II

Answer: 2

Q 46. Who amongst the following lives in Bhopal?

1. A
2. G
3. C
4. H
5. Other than those given as options

Answer: 1

Q 47. Which one of the following statements is TRUE with respect to the given information?

1. B lives in Nashik
2. G is senior to E
3. B and F study in the same class.
4. The one who lives in Jaipur studies in Class V.
5. None of the given statements

Answer: 4

Solution (43-47):

A	II	Bhopal
D	II	Ujjain
B	V	Varanasi
C	V	Jaipur
F	VIII	Nashik
H	VIII	Chennai
E	IX	Siliguri
G	IX	Patna

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Directions (48-51): Study the following information and answer the questions.
Trisha starts walking from point A, walks 12 m to the south and reaches point B. She then takes a left turn and walks 7 m to reach point C. She then takes a left, walks 5 m and reaches Point D. From Point D she turns left, walks 11 m and stops at point E. Point P is to the west of Point B. Rishi who is standing at point P walks for a distance equal to the shortest distance between B and E and reaches Point Q. From Point Q he takes a left turn, walks for a certain distance and reaches point E.

Q 48. Mehul starts walking towards south from Point B. He walks for a certain distance to reach Point K. He then takes a left turn walks for 10 m, takes another left turn and stops after walking for 9 m. If his final position is 3 m to the east of Point D, what is the distance between Point B and Point K?

1. 4 m
2. 6 m
3. 5 m
4. 2 m
5. Cannot be determined

Answer: 1

Q 49. Point M is 9 m to the north of Point Q. From Point M, which of the following walking directions would lead to point A?
12 m towards west, turn right and walk for 2 m, then turn right and walk for 7 m.
4 m towards the east, turn left and walk for 3 m, then turn right and walk 5 m.
3 m towards the north, turn left, walk 19 m, turn left and walk 5 m.
3 m towards the north, turn right and walk for 4 m.

1. Both A and D
2. Only D
3. Both B and C
4. Only C
5. Only B

Answer: 4

Q 50. In which direction is point C with respect to point P?

1. North-East
2. West
3. East
4. South-East
5. North-West

Answer: 3

Q 51. Point Z is 9 m to the east of Point A. Arun starts from point Z, walks towards the south, takes a right turn and walk for a certain distance to reach Point D. What is the total distance that Arun has to walk in order to reach Point D?

1. 20 m
2. 11 m
3. 19 m
4. 9 m
5. 15 m

Answer: 2

Solution (48-51):

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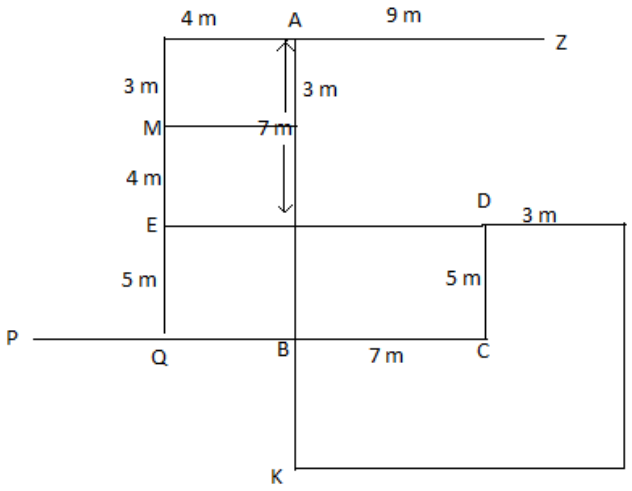

Q 52. Study the given information to answer the question.
The tourism sector of Country G has emerged out to be the highest contributor to GDP of the economy of Country G for this financial year. The numbers of foreign as well as domestic visitors to various tourist spots of the country were found to be relatively high as compared to the last financial year.
Which of the following may be a reason for increased tourism in Country G?
A. The tourism packages offered by various travel agencies for visiting places in Country G were much cheaper and attractive.
B. The government of Country G had started special buses, trains, and flights at highly subsidized rates for passengers during holidays.
C. The various hotels and travel agencies of City F in Country G started holiday packages of 18% lesser price than any other tourist spot in the country.
D. Country G was found to be the most preferred tourist destination for the last three years globally.

1. All A, B, C and D
2. Both A and D
3. Both B and C
4. A, B and D
5. Both A and B

Answer: 4

Directions (53-58): Study the following information carefully and answer the given questions.
When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement: (All the numbers are two-digit numbers before performing the operations)

Input: tweet 43 also 13 suit 29 money kite 71 59
Step I: also tweet 43 13 suit 29 money kite 59 71
Step II: kite also tweet 43 13 suit 29 money 71 59
Step III: money kite as tweet 13 suit 29 71 59 43
Step IV: suit money kite also tweet 13 71 59 43 29
Step V: tweet suit money kite also 71 59 43 29 13
Step V is the last step of the above arrangement as the intended output of arrangement is obtained. As per the rules followed in the given steps, find the appropriate steps for the given input.

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Input: neat bites 23 11 piles your 37 79 give 47

Q 53. As per the given arrangement, in step IV, 'piles is related to 'give' following a certain pattern. Following the same pattern, '79' is related to '37' in step III. In step V, to which of the following is 'bites' related to following the same pattern?

1. Give
2. 47
3. 53
4. neat
5. your

Answer: 2

Q 54. Which is the third element to the left of the seventh element from the left end in step V of the given arrangement?

1. give
2. 47
3. near
4. 53
5. 79

Answer: 1

Q 55. How many elements are there between 'your' and '79' in step III of the given arrangement in the last step?

1. None
2. Two
3. Three
4. One
5. More than three

Answer: 5

Q 56. Which is the fourth element to the right of '11 in Step IV of the given arrangement?

1. 79
2. 37
3. bites
4. 11
5. your

Answer: 2

Q 57. In which one of the following steps is 'bites 11 your' found consecutively in the same order in the given arrangement?

1. Step II
2. Step III
3. There is no such step
4. Step V
5. Step IV

Answer: 5

Q 58. In step II of the given arrangement, which elements appear to the immediate right and immediate left of 'near' respectively?

1. '37' and 'piles'

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2. ‘give’ and ‘11’
3. ’11 and ‘your’
4. ‘23’ and ‘bites’
5. ‘piles’ and ‘give’

Answer: 4

Solution (53-58):
Input: neat bites 23 11 piles your 37 79 give 47
Step 1: bites near 23 11 piles your 37 79 give 47
Step 2: give bites near 23 11 piles your 37 79 47
Step 3: near give bites 23 11 piles your 79 47 37
Step 4: piles near give bites 11 your 79 47 37 23
Step 5: your piles near give bites 79 47 37 23 11

Q 59. In this question, there are two statements (A) and (B). These statements may either be independent courses or effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements carefully and decide which of the following answer choice correctly depicts the relationship between these two statements.

I. Around 60% of the computer and software professionals of Country X wish to pursue ethical hacking.

II. The IT companies in three of the neighboring countries of Country X recently faced an attack of the ‘Hacker Virus’ in many of their systems.

1. Both statements A and B are independent causes.
2. Both statements A and B are the effects of some common cause.
3. Statement B is the cause and statement A is its effect.
4. Statement A is the cause and statement B is its effect.
5. Both statements A and B are the effects of independent causes.

Answer: 3

Q 60. What should come in place of (?) in the expression P ? U = E > J; E ? M < W respectively so that the expression W > P definitely holds true?

1. =, <
2. >, =
3. =, =
4. >, <
5. ≥, ≤

Answer: 1

Solution 60:
P = U = E > J
∧
M < W

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RBI Grade B Reasoning Ability Question Paper 2017 - Phase I

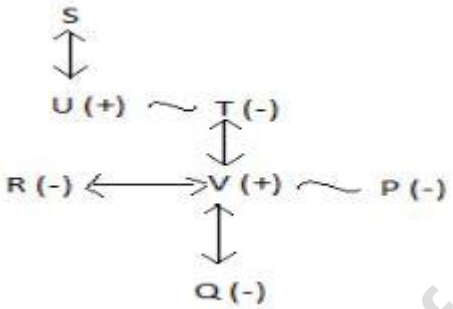
Directions (1-5): Study the given information carefully to answer the given questions.
Seven people P, Q, R, S, T, U, and V are related to each other in some or the other way. Each person is of different age, but not necessarily in the same order. (Note: It is assumed that the husband is older than the wife.) T is older than V but younger than U. P is the mother of Q. R is the sister-in-law of P. R is unmarried. T is the daughter-in-law of S. S is the eldest member of the family. U is the father of only R and V. U does not have any siblings. V does not have any son. R is older than V. The third eldest member of the family is 54 years old. The youngest member of the family is 4 years old.

Q 1. If in the given arrangement, Q + V = 31, then what is the possible age of R?

1. 27
2. 56
3. 23
4. 59
5. 30

Answer: 5

Solution 1:



↔ symbolises 'siblings'
↕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

According to the question, the age of the youngest family member is 4 years. Since Q is the youngest,
Q + V = 31
4 + V = 31
V = 31 - 4 = 27 years

Q 2. If P is 24 years old, what will be the sum of ages of P and T?

1. 28
2. 78
3. 64
4. 49
5. 75

Answer: 2

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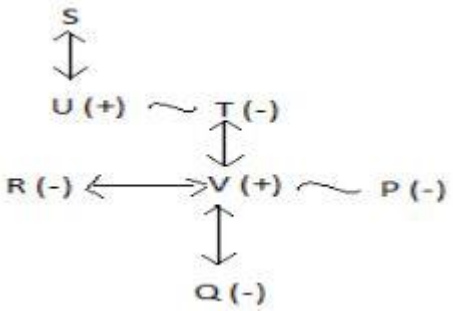
Solution 2:



↔ symbolises 'siblings'
↕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

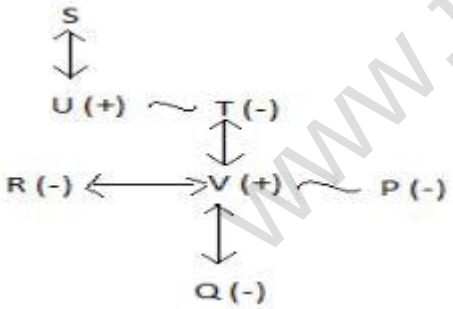
P is 4 years
T is the third eldest member of the family and according to the question, the age of T is 54 years.
So, sum of ages of T and P = 54 + 24 = 78

Q 3. How is T related to Q?

1. Grandmother
2. Granddaughter
3. Aunt
4. Mother-in-law
5. Mother

Answer:

Solution 3:



↔ symbolises 'siblings'
↕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

From the above arrangement, T is the grandmother of Q.

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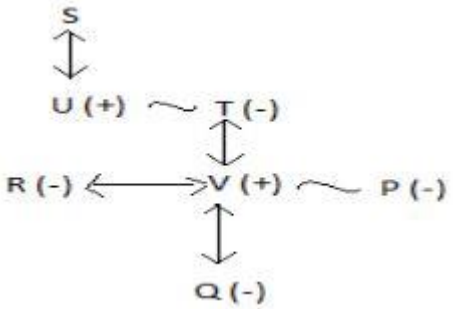
Q 4. If M is married to S, then how is S related to R?

1. Grandmother
2. Granddaughter
3. Grandfather
4. Uncle
5. Cannot be determined

Answer: 5

Solution 4:



↔ symbolises 'siblings'

↕ symbolises parents

- Symbolises male
- Symbolises female

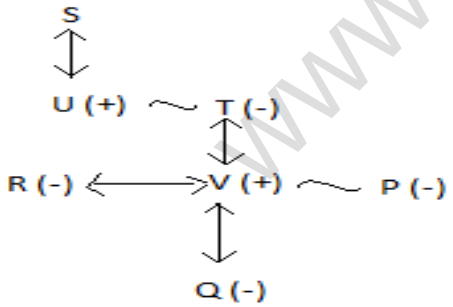
~ symbolises married couples

Q 5. Who amongst the following is/are younger than V?

1. Both P and U
2. Only Q
3. Only P
4. Both P and Q
5. No one

Answer: 4

Solution 5:



⟷ symbolises 'siblings'

↕ symbolises parents

- Symbolises male

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- Symbolises female

~ symbolises married couples

Since it is given in the question that the age of female is less than their male partners. So the age of P and Q is less than V.

Q 6. This consists of a decision and two statements numbered I and II given below it. You have to decide which of the given statements weaken/s or strengthens the decision and decide the appropriate answer.

Decision: The Government of the State decided that no cars in the city X shall be allowed to have tinted glasses from next month.

I. Most of the crimes reported in the past few months in city X had the involvement of cars with tinted glasses.
II. Tinted glasses were responsible for a large number of accidents in city X as they affected visibility during the night.

1. Statement I strengthens the decision while Statement II weakens the decision.
2. Both Statement I and Statement II weaken the decision.
3. Both Statement I and Statement II strengthen the decision.
4. Both Statement I and Statement II are neutral Statements.
5. Statement I weakens the decision while Statement II strengthens the decision.

Answer: 3

Solution 6:
Both the statements strengthens Government's decision because both the statements prove that the cause of accidents in City X was the increase in the number of cars with tinted glasses.

Q 7. This question consists of a Situation and three Statements numbered I, II and III given below it. You have to decide which of the given Statements may be a reason for the given situation.

Situations: Farmers of State D, who traditionally cultivate crop M, bore considerable losses owing to deficiency of nutrient Z in the soil which is vital for adequate growth of crop M. However, this year the farmers registered a 40% growth in production.

I. The farmers of State D have started producing crop Y only (which does not require nutrient Z for growth) for the past two years.
II. Since the past two years, the farmers of State D have been adding fertilizer to the soil which contains nutrient Z.
III. The nutrition this year was 200 more than the previous year in state D.

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

Answer: 3

Directions (8-12): Study the given information carefully to answer the given questions.

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Eight people A, B, C, D, E, F, G, and H live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. Each one of them ran for a different distance in a marathon – 2300 m, 3800 m, 5000 m, 6400 m, 7200 m, 6300 m, 9100 m, and 10000 m but not necessarily in the same order. The one who ran for 5000 m lives on an even-numbered floor above floor number 5. Only three people live between the one who ran for 5000 m and G. The one who ran for 9100 m lives immediately above E. Only two people live between the one who ran for 9100 m and A. A does not live on the topmost floor. The total distance run by people living on floor number 3 and floor number 6 is 11400 m. The one who ran for 6300 m, lives immediately above the one who ran for 3800 m. Neither E nor A ran for 6300 m. Only two people live between B and the one who ran for 6300 m. The one who lives immediately below D ran for a distance more than that of B, but not the most. No one lives between H and the one who ran for 7200 m. E did not run for 7200 m. The one who ran for 10000 m lives immediately above D. C and G ran together for 16,300 m. C ran more than G.

Q 8. If M ran for 2000 m more than B, than for how many meters did M run?

1. 5200 m
2. 5800 m
3. 4900 m
4. 70000 m
5. 4300 m

Answer: 3

Solution:
B ran 2300m
M ran for (2300 + 2000) m = 4300 m

Q 9. Which of the following statements is true with respect to the given arrangement?

1. D lives on the topmost floor.
2. Only two people live between G and F
3. None of the given options is true
4. The one who ran for 2300m lives immediately above F.
5. A ran for 9100 m

Answer: 4

Q 10. Who amongst the following lives immediately above the one who ran for 7200 m?

1. The one who ran for 10000 m
2. H
3. F
4. The one who ran for 3800 m
5. A

Answer: 1

Q 11. Which of the given combinations is correct as per the given arrangement?

1. Floor number 7- 3800 m
2. Floor number 3- E
3. C- 9100 m
4. D- 5000 m
5. Floor number 2-7200 m

Answer: 2

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Q 12. How many metres did F and A together run?

1. 16200 m
2. 7300 m
3. 12900 m
4. 15300 m
5. 11400 m

Answer: 3

Solution :
(9100 + 3800)m = 12900 m

Solution (8-12):

8	C	10000 m
7	D	7200 m
6	H	5000 m
5	B	2300 m
4	F	9100 m
3	E	6400 m
2	G	6300 m
1	A	3800 m

Directions (13-15): In these questions, two/three statements followed by two conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follow the given statements?

Q 13.
Statements :
Some planets are stars.
All stars are comets.
No comet is an astronaut.
Conclusion I: No star is an astronaut
Conclusion II: All astronauts are planets

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 1

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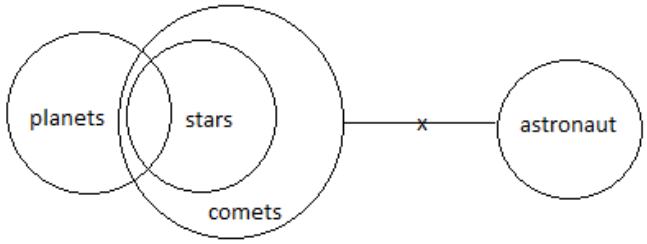
Solution 13:

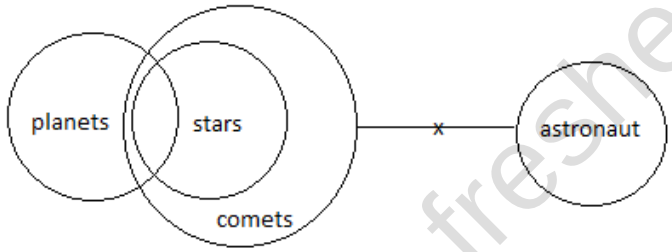


Q 14.
Statements :
Some planets are stars.
All stars are comets.
No comet is an astronaut.
Conclusion I: Some planets being astronauts is a possibility.
Conclusion II: At least some comets are planets

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 2

Solution 14:



Q 15.
Statements: All trains are buses.
All buses are rickshaws. No rickshaw is a plane.
Conclusion I: All trains are rickshaws.
Conclusion II: All plains being trains is a possibility.

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 1

Solution 15:

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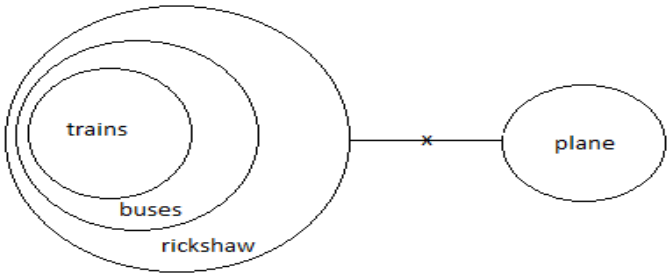

Directions (16-21): Study the given information carefully and answer the given questions.

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1 S, T, U, V, W, and X are seated and all of them are facing south. In row-2 M, N, O, P, Q, and R are seated and all of them are
facing north. Therefore in the given seating arrangement, each member seated in a row faces another member of the other row. No two people with names starting with a consecutive neighbor of each other. For e.g. A is not an immediate neighbor of B. B is not an immediate neighbor of either A or C and so on. Each of them also likes different movies viz. Vertigo, Cinderella, Twilight, Gladiator, Uninhabited, Inception, Frozen, Watchmen, Tangled, Aladdin, Hero and Wanted.
[Note: None of the information given is necessary in the same order.]
T sits at the extreme end of the line. Only two people sit between T and the one who likes Frozen. N sits second to the left of the one who faces the one who likes Frozen. The one who likes Twilight sits second to the right of O. T does not face the one who likes Twilight. Only two persons sit between P and R. U does not sit an extreme end of the line. X is not an immediate neighbor of T. V faces the one who likes Tangled. Only three people sit between the ones who like Tangled and Vertigo. R likes Inception. Only one person sits between R and M. One of the immediate neighbors of M faces the one who likes Hero. The one who likes Cinderella sits to the immediate left of S. P sits second to the right of the one who likes Aladdin. Only one person sits between the one who likes watchmen and wanted. T does not like wanted. N does not like
Gladiator.

Q 16. Which of the following statements is true as per the given arrangement?
1. U likes Watchmen.
2. Q faces one of the immediate neighbours of W.
3. P is an immediate neighbor of N.
4. None of the given statements is true.
5. S sits between V and X.

Answer: 2

Q 17. Who amongst the following likes uninhabited?
1. P
2. W
3. S
4. X
5. N

Answer: 5

Q 18. Who amongst the following is facing Q?
1. X
2. V
3. The one who likes Watchmen

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4. S
5. The one who likes Frozen

Answer: 3

Q 19. Four of the following five are alike in a certain way based on the given arrangement and hence from a group. Which of them do not belong to that group?

1. The one who likes Tangled
2. N
3. The one who likes Vertigo
4. The one who likes Gladiator
5. V

Answer: 3

Q 20. W is related to Cinderella and P is related to Inception in a certain way based on the given arrangement. To which of the following is U related, following the same pattern?

1. The one who faces P
2. The one who faces O
3. T
4. S
5. The one who likes Uninhabited

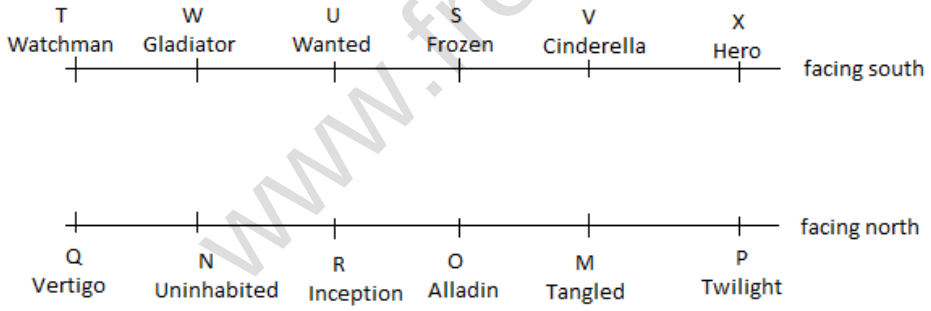
Answer: 1

Q 21. What is the position of Q with respect to the one who likes Inception?

1. Third to the right
2. Second to the right
3. Third to the left
4. Second to the left
5. Fourth to the left

Answer: 4

Solution (16-21):



Directions (22-27): Study the information carefully and answer the questions.
Professor O, P, Q, R, S, T, U, V, W, X, Y, and Z had lectures in different months of the same year viz. January, March, April, May, June, and December but not necessarily in the same order. All the lectures are either on the 12th or 25th of these months. No two professors had lectures on the same day. Each professor also likes different colors namely Red, Blue, Green, Yellow, Orange, White, Pink, Silver, Maroon, Violet, Brown, and Grey but not necessarily in the same order.
Note: No lecture was conducted in any other month of the same year.

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V had a lecture on 12th April. Only two people had lectures between V and Q. The one who likes red had a lecture in the same month as Q. Q does not like red. The one who likes White had a lecture on an even-numbered date of the month which had exactly 30 days. V does not like white. Only three people had a lecture between the one who likes White and the one who likes Violet. As many people had lectures between the one who likes red and O as between Q and the one who likes White. Only two people had lectures between O and the one who likes Blue. U had a lecture on the 12th of a month before the one who likes Violet. U likes neither red nor blue. Only two people had lectures between U and the one who likes Orange. Only two people had lectures between the one who likes Orange and the one who likes Green. X had a lecture in the same month as the one who likes green. As many people had a lecture after W as before X. Only one person had a lecture between W and Z. Z had a lecture before W. the one who likes Pink had a lecture on an odd-numbered day in the same month as Z. P had a lecture on the 12th of the same month as R. Only two people had lectures between P and the one who likes Yellow. The one who likes maroon had a lecture before P. T likes brown. S does not like Red. W does not like Grey.

Q 22. Which of the following combinations indicate those who had a lecture in March?

1. The one who likes Maroon and R
2. U and X
3. P and R
4. The one who likes Green and the one who likes pink
5. R and V

Answer: 3

Q 23. Which of the following combination is correct?

1. W-White
2. X-Pink
3. U-Grey
4. V-Violet
5. O-Red

Answer: 4

Q 24. If Y is related to White and P is related to Violet based on the given arrangement, then which of the following is related to O following the same pattern?

1. Grey
2. Pink
3. Brown
4. Maroon
5. Silver

Answer: 1

Q 25. How many people have lectures between the lectures by X and Y?

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

Answer: 2

Q 26. Four of the following five are alike in a certain way based on the given seating arrangement and hence form a group. Which of the following does not belong to that group?

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1. 12-Y
2. 25-O
3. 12-Green
4. 25-T
5. 12-Pink

Answer: 5

Q 27. Who amongst the following had a lecture in the same month as S?

1. V
2. The one who likes Grey
3. The one who likes White
4. The one who likes Yellow
5. W

Answer: 3

Solution (22-17):

12th January	U	Green
25th January	X	Maroon
12th March	P	Blue
25th March	R	Orange
12th April	V	Violet
25th April	O	Yellow
12th May	Y	Red
25th May	Q	Grey
12th June	Z	White
25th June	S	Pink
12th December	W	Silver
25th December	T	Brown

Q 28. In which of the given expressions does the expression R ≤ T definitely holds true?

1. T ≥ L ≥ M, R ≥ O > M
2. T > L > M, R ≤ M ≤ O
3. T > L > M, R ≥ O ≥ M
4. T ≥ L ≥ M, R ≤ O ≤ M
5. T > L = M, R < O ≤ M

Answer: 4

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Solution 28:
T ≥ L ≥ M ≥ O ≥ R

Q 29. Read the following information and answer the question. 'If we take a close look at the balance sheets of previous five years, it shows that the amount of loans taken by the company against fixed assets has only increased, the result of which is poor financial health of the company this year'. Financial report of Company B. Which of the following can be inferred from the statement of the financial report of the company B?

A. Decreasing the amount of loans against fixed assets will improve the financial health of company B.
B. The value of the fixed assets of Company B has decreased by taking loans against them.
C. An analysis of the balance sheets of a company throws light on its financial health.
D. Company B had not taken any loans in any financial year other than the said five years.

1. None can be inferred
2. Both A and D
3. Both A and C
4. Only D
5. Only B

Answer: 3

Solution 29:

Q 30. Study the following information and answer the question given. School X had been allowing local people to use their basketball court and cricket ground after school hours by charging fees for the same. This had helped the school generate a significant amount of additional income in the past few years. However, this year the school decided to discontinue the practice.

Which of the following statements does not strengthen the decision of School X of discontinuing the practice?

1. The number of people using the basketball court and cricket ground of school is slightly decreased last year as other schools in the vicinity also started following the same practice.
2. School X could not win even a single trophy in the past few years annual inter-school games competition as the participants did not get adequate time for practice due to access to rounds to local people.
3. Complaints by the nearby residents of school X have increased about the increased disturbance created by the users of the basketball court and cricket ground beyond school hours.
4. The damage caused to the basketball court and cricket ground of school X has increased significantly due to over-use by the subsiders thus not allowing the students to play.
5. The governing board of school X denied access to school premises in any number by the subsiders (other than parents of students) in this year's board meeting for security reasons.

Answer: 5

Directions (31-32): In these questions, four statements followed by five conclusions are given, one of which definitely does not logically follow for is not a possibility of economical) from the given statements. That conclusion is your answer.
(Note: You have to take the four given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically does not follow from the given statements.)

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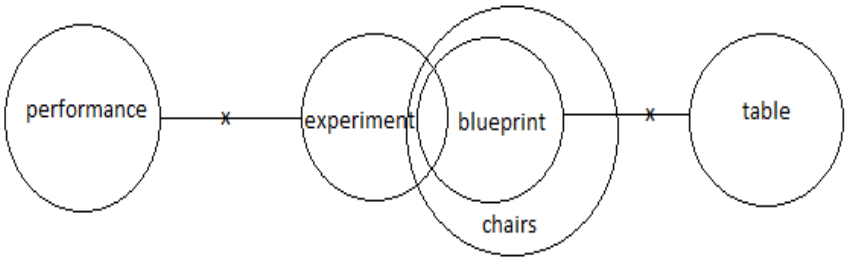
Q 31. Statements: No performance is an experiment. Some experiments are Blueprints. No blueprint is a table. All blueprints are chairs.

1. Conclusion: Some experiments are definitely not tables.
2. Conclusion: At least some experiments are chairs.
3. Conclusion: All chairs being performances is a possibility
4. Conclusion: All tables being experiments is a possibility.
5. Conclusion: All blueprints can never be performances.

Answer: 3

Solution 31:

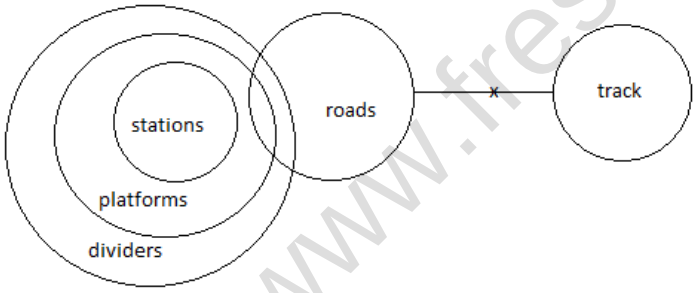


Q 32. Statements: All stations are platforms. All platforms are dividers. Some platforms are roads. No road is a track.

1. Conclusion: All stations are dividers.
2. Conclusion: Some platforms are definitely not tracks.
3. Conclusion : All tracks being stations is a possibility.
4. Conclusion: All dividers being tracks is a possibility
5. Conclusion: Some dividers are roads.

Answer:

Solution 32:



Directions (33-36): In these questions, the relationship between different elements is shown in the statements. The statements are followed by two conclusions.

Q 33.
Statements: B ≤ R ≤ U ≥ S > H; Y < O ≤ U ≤ A
Conclusion I: B = A
Conclusion II: B > A

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true

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5. If both conclusion I and II are true

Answer: 3

Solution 33:

Y
∧
O
∧I
B ≤ R ≤ U ≥ S > H
∧I
A

Q 34.

Statements: B ≤ R ≤ U ≥ S > H; Y < O ≤ U ≤ A

Conclusion I: S ≥ O

Conclusion II: R < Y

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 4

Solution 34:

Y
∧
O
∧I
B ≤ R ≤ U ≥ S > H
∧I
A

Q 35.

Statements: S = H ≥ A ≥ P = E; P < L ≤ R ≤ E

Conclusion II: S ≥ L

Conclusion II: E < A

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 2

Solution 35:

S = H ≥ A ≥ P = E
V
L
VI
R
VI

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E

Q 36.
Statement: S = H ≥ A ≥ P = E;P < L ≤ R ≤ E
Conclusion I: S < P
Conclusion II: P < A

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 4

Solution 36:
S = H ≥ A ≥ P = E
V
L
VI
R
VI
E

Q 37. Study the given information carefully to answer the given question.
'Goldkart', a leading gold jewelry chain in country 'Rikmaya' is famous for good jewelry with intricate designs. However, it recently chose to import jewellery from Country X for sale besides selling just intricate designs.
Which of the following cannot be a reason behind the decisions taken by 'Goldkart'?

1. Gold jewelry with intricate designs was a brainchild of 'Goldkart' in order to have an edge over other jewelry companies. Since these designs are now overused, they wish to bring a newer concept of designs.
2. The new concept of layered gold jewelry recently started by company X is widely in the news worldwide.
3. The Jewellery designers of 'Goldkart' haven't updated their skills for 5-6 years making them incompetent as compared to other designers of the country.
4. Since country X has quoted high prices to export gold jewelry to 'Goldkart', the profit gained by 'Goldkart' is just 18% more than the usual profit.
5. None of those given as options.

Answer: 5

Q 38. Read the given information and answer the question.
A road construction project has been going on in State Y and was due to be completed two months ago. The government of that time had extended the deadline of the project by three months and also allowed truck carrying the raw material to pass through city 2 in order to speed up the process. Yet the construction work is further delayed and is not likely to get over in the extended deadline as well.

Which of the following may NOT be a reason for the delay of construction work in State Y?

1. the workers have started going on strike and off since the past four months as they demanding higher wages.

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2. Some part of the land on which the road is to be constructed is owned privately and a dispute is going on in the court regarding the same.
3. Monsoon have approached State Y and due to heavy rainfall the construction work is 3 times slower than you.
4. Due to several complaints by the residents living in the vicinity of the construction site, the construction work is done for four hours less than the usual construction hours since paid four months.
5. Most roads of city 2 have traffic jams in the morning as well as most people in the city travel to work by road.

Answer: 5

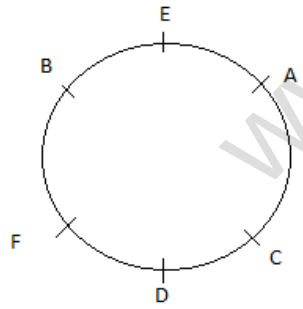
Directions (39-41): These questions consist of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and mark the appropriate answer.

Q 39. Six people A, B, C, D, E, and F are sitting around a circular table facing the centre. What is E's position with respect to F?
I. A site second to the right of D. Only two people sit between A and F. B sits to the immediate right of E.
II. Only two people sit between D and E. E is an immediate neighbour of both B and A. C is not an immediate neighbour of B.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 1

Solution 39:
Statement I gives a solution:



Statement II gives a solution:

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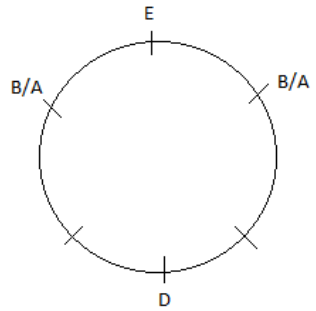

Therefore, a solution is only application for the first statement.

Q 40. How is 'dwarf' definitely coded in the same code language?
I. In a certain code language, 'the dwarf planet' is coded as 'cq sd ap' and 'the solar energy' is coded as 'kb og sd'.
II. In a certain code language, 'only dwarf planet' is coded as 'cq ap st', 'the coldest planet' is coded as 'sd cq yt'.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 4

Solution 40:
The code for the word 'dwarf' can only be attained with the help of both the statements together.

Q 41. Fifteen people are standing in a straight row facing north. What is M's position with respect to S?
I. P tands third from the left end of the row. Only two people stand between P and M. N stands third to the right of M. S is an immediate neighbor of N.
II. tands second from the right end of the row. Only two people stand between Q and O. O is an immediate neighbor of S. As many people stand to the left of M as to the right of S.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 2

Q 42. This question consists of two statements numbered I and II. These statements may be either independent causes or effects of independent causes or a common cause. One of these statements

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may be the effect of the other statement. Read both the statements and decide which of the given answer choices depicts the relationship between these two statements.

Statements: I. Unlike the last two years, the amount of toxic gases such as carbon monoxide and sulphur dioxide along with volatile organic compounds present in the atmosphere crossed the permissible limit in Country X this year.
II. The emissions from stationary sources such as industries and that from mobile sources such as transport have increased substantially this year in Country X.

1. Both statements I and II are the effects of independent causes.
2. Both statements I and II are effects of some common cause.
3. Statement I is the cause and statement II is its effect.
4. Statement II is the cause and statement I is its effect.
5. Both statements I and II are independent causes.

Answer: 3

Directions (43-47): Study the given information carefully to answer the given questions.
Eight people – A, B, C, D, E, F, G, and H live in eight different cities – Varanasi, Nashik, Chennai, Siliguri, Ujjain, Bhopal, Jaipur and Patna, but not necessarily in the same order. Each one of them also studies in one of the four classes – II, V, VIII and XI. Two people study in each of the given classes.

- A studies in an even-numbered class. The one who lives in Ujjain studies with A.
- The one who lives in Varanasi and Jaipur study in the same class, but in a class lower than VIII. D studies in a class lower than that of the one who lives in Varanasi.
- The one who lives in Nashik studies with H in the same class, but not in Class XI. D does not live in Nashik.
- B and G study in different classes. B lives neither in Jaipur nor in Nashik. G is senior to both B and H. Neither B nor the one who lives in Siliguri study in the same class as D. E lives in Siliguri.
- C is junior to F. The one who lives in Patna studies in an odd-numbered class.
- Neither H nor D lives in Bhopal. The one who lives in Chennai is senior to the one who lives in Bhopal.

Q 43. In which of the following cities does C live?

1. Bhopal
2. Chennai
3. Jaipur
4. Nashik
5. Varanasi

Answer: 3

Q 44. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following cities does not belong to the group?

1. G-Siliguri
2. D- Bhopal
3. C-Varanasi
4. F-Chennai
5. A-Patna

Answer: 4

Q 45. In which class does H study?

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1. The one in which studies
2. VIII
3. The one in which E studies
4. V
5. II

Answer: 2

Q 46. Who amongst the following lives in Bhopal?

1. A
2. G
3. C
4. H
5. Other than those given as options

Answer: 1

Q 47. Which one of the following statements is TRUE with respect to the given information?

1. B lives in Nashik
2. G is senior to E
3. B and F study in the same class.
4. The one who lives in Jaipur studies in Class V.
5. None of the given statements

Answer: 4

Solution (43-47):

A	II	Bhopal
D	II	Ujjain
B	V	Varanasi
C	V	Jaipur
F	VIII	Nashik
H	VIII	Chennai
E	IX	Siliguri
G	IX	Patna

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Directions (48-51): Study the following information and answer the questions.
Trisha starts walking from point A, walks 12 m to the south and reaches point B. She then takes a left turn and walks 7 m to reach point C. She then takes a left, walks 5 m and reaches Point D. From Point D she turns left, walks 11 m and stops at point E. Point P is to the west of Point B. Rishi who is standing at point P walks for a distance equal to the shortest distance between B and E and reaches Point Q. From Point Q he takes a left turn, walks for a certain distance and reaches point E.

Q 48. Mehul starts walking towards south from Point B. He walks for a certain distance to reach Point K. He then takes a left turn walks for 10 m, takes another left turn and stops after walking for 9 m. If his final position is 3 m to the east of Point D, what is the distance between Point B and Point K?

1. 4 m
2. 6 m
3. 5 m
4. 2 m
5. Cannot be determined

Answer: 1

Q 49. Point M is 9 m to the north of Point Q. From Point M, which of the following walking directions would lead to point A?
12 m towards west, turn right and walk for 2 m, then turn right and walk for 7 m.
4 m towards the east, turn left and walk for 3 m, then turn right and walk 5 m.
3 m towards the north, turn left, walk 19 m, turn left and walk 5 m.
3 m towards the north, turn right and walk for 4 m.

1. Both A and D
2. Only D
3. Both B and C
4. Only C
5. Only B

Answer: 4

Q 50. In which direction is point C with respect to point P?

1. North-East
2. West
3. East
4. South-East
5. North-West

Answer: 3

Q 51. Point Z is 9 m to the east of Point A. Arun starts from point Z, walks towards the south, takes a right turn and walk for a certain distance to reach Point D. What is the total distance that Arun has to walk in order to reach Point D?

1. 20 m
2. 11 m
3. 19 m
4. 9 m
5. 15 m

Answer: 2

Solution (48-51):

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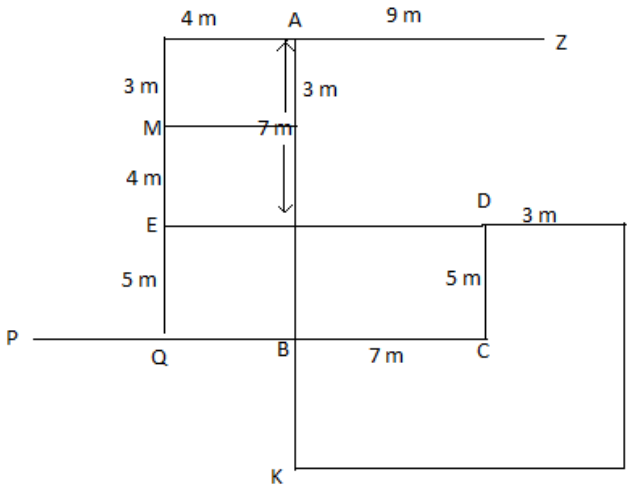

Q 52. Study the given information to answer the question.
The tourism sector of Country G has emerged out to be the highest contributor to GDP of the economy of Country G for this financial year. The numbers of foreign as well as domestic visitors to various tourist spots of the country were found to be relatively high as compared to the last financial year.
Which of the following may be a reason for increased tourism in Country G?
A. The tourism packages offered by various travel agencies for visiting places in Country G were much cheaper and attractive.
B. The government of Country G had started special buses, trains, and flights at highly subsidized rates for passengers during holidays.
C. The various hotels and travel agencies of City F in Country G started holiday packages of 18% lesser price than any other tourist spot in the country.
D. Country G was found to be the most preferred tourist destination for the last three years globally.

1. All A, B, C and D
2. Both A and D
3. Both B and C
4. A, B and D
5. Both A and B

Answer: 4

Directions (53-58): Study the following information carefully and answer the given questions.
When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement: (All the numbers are two-digit numbers before performing the operations)

Input: tweet 43 also 13 suit 29 money kite 71 59
Step I: also tweet 43 13 suit 29 money kite 59 71
Step II: kite also tweet 43 13 suit 29 money 71 59
Step III: money kite as tweet 13 suit 29 71 59 43
Step IV: suit money kite also tweet 13 71 59 43 29
Step V: tweet suit money kite also 71 59 43 29 13
Step V is the last step of the above arrangement as the intended output of arrangement is obtained. As per the rules followed in the given steps, find the appropriate steps for the given input.

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Input: neat bites 23 11 piles your 37 79 give 47

Q 53. As per the given arrangement, in step IV, 'piles is related to 'give' following a certain pattern. Following the same pattern, '79' is related to '37' in step III. In step V, to which of the following is 'bites' related to following the same pattern?

1. Give
2. 47
3. 53
4. neat
5. your

Answer: 2

Q 54. Which is the third element to the left of the seventh element from the left end in step V of the given arrangement?

1. give
2. 47
3. near
4. 53
5. 79

Answer: 1

Q 55. How many elements are there between 'your' and '79' in step III of the given arrangement in the last step?

1. None
2. Two
3. Three
4. One
5. More than three

Answer: 5

Q 56. Which is the fourth element to the right of '11 in Step IV of the given arrangement?

1. 79
2. 37
3. bites
4. 11
5. your

Answer: 2

Q 57. In which one of the following steps is 'bites 11 your' found consecutively in the same order in the given arrangement?

1. Step II
2. Step III
3. There is no such step
4. Step V
5. Step IV

Answer: 5

Q 58. In step II of the given arrangement, which elements appear to the immediate right and immediate left of 'near' respectively?

1. '37' and 'piles'

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2. ‘give’ and ‘11’
3. ’11 and ‘your’
4. ‘23’ and ‘bites’
5. ‘piles’ and ‘give’

Answer: 4

Solution (53-58):
Input: neat bites 23 11 piles your 37 79 give 47
Step 1: bites near 23 11 piles your 37 79 give 47
Step 2: give bites near 23 11 piles your 37 79 47
Step 3: near give bites 23 11 piles your 79 47 37
Step 4: piles near give bites 11 your 79 47 37 23
Step 5: your piles near give bites 79 47 37 23 11

Q 59. In this question, there are two statements (A) and (B). These statements may either be independent courses or effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements carefully and decide which of the following answer choice correctly depicts the relationship between these two statements.

I. Around 60% of the computer and software professionals of Country X wish to pursue ethical hacking.

II. The IT companies in three of the neighboring countries of Country X recently faced an attack of the ‘Hacker Virus’ in many of their systems.

1. Both statements A and B are independent causes.
2. Both statements A and B are the effects of some common cause.
3. Statement B is the cause and statement A is its effect.
4. Statement A is the cause and statement B is its effect.
5. Both statements A and B are the effects of independent causes.

Answer: 3

Q 60. What should come in place of (?) in the expression P ? U = E > J; E ? M < W respectively so that the expression W > P definitely holds true?

1. =, <
2. >, =
3. =, =
4. >, <
5. ≥, ≤

Answer: 1

Solution 60:
P = U = E > J
∧
M < W

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