SBI Probationary Officer (PO) 2020 Previous Year Paper

SBI Probationary Officer (PO) • 2020 • 115 questions • 60 minutes • Answer key

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ENGLISH LANGUAGE

Directions

Directions (81-87): Read the passage carefully and answer the questions given below it.

Global warming, largely caused by industrial development and consumer demands, has been causing havoc across the world. Temperatures are shooting up, floods have been ravaging South China and Northeast India, unseasonal rains and, ironically, delayed and poor monsoon rains are experienced. A major solution to mitigate such climate changes is to reduce the levels of greenhouse gases, particularly carbon dioxide, which causes this warming. In an effort to try and limit this warming, many countries across the world are gathering together and agreeing to make efforts to limit the rise in temperature to no higher than 1.5 degrees by the year 2050.The major way to do so is to increase the number of plants, trees and forests across the world. They all absorb carbon dioxide from the air, and with the help of sunlight and water, produce food (staple for us) and oxygen (which we breathe). And the wood and timber they offer are used by us in buildings and furniture. They are, thus, justly named in Sanskrit as Kalpataru — the wish-giving tree.

Yet, we kill them: deforestation has been going on decade after decade across the world, affecting the weather as well as the lives of plants, animals, microbes and the livelihood of human tribes that live in forests. The total surface area of our Earth is 52 billion hectares (Ha), and 31% of this has been forest cover. But the huge Amazon forests of South America are being chopped off for commercial reasons. Peru and Bolivia in the western Amazon region are the worst affected by such deforestation; so are Mexico and its neighbours in Mesoamerica. Russia, with forests occupying 45% of its land area, is chopping off trees. Large scale deforestation this kind has contributed to global warming over the years.

The Food and Agriculture Organization (FAO) defines a “forest” as a land area of at least 0.5 hectares, covered by at least 10% tree cover, _____. Using this definition, a group of Swiss and French ecologists have analysed these 4.4 billion hectares of tree canopy that can exist under the current climate. And, excluding existing trees and agricultural and urban areas, there is room for an extra 0.9 billion hectares. Their analysis using the latest ecological methods, was published two weeks ago. Thus, there is the potential climate change mitigation through global tree restoration. They point out that more than 50% of this restoration potential can be found in six countries (Russia, USA, Canada, Australia, Brazil and China). While it is not clear how much of this land is public or private, they confirm that the calculation of 1 billion hectares (>10% tree cover) is achievable.

Happily enough, several group (and governments) in countries, notably Philippines and State government in India have moved towards more tree plantations. In India with its 7,08,273 sq km land area, 21.54% has tree cover. And between 2015 and 2018, we have added 6,778 sq km. Madhya Pradesh has the largest forest cover, followed by Chhattisgarh, Odisha and Arunachal Pradesh while Punjab, Haryana, UP and Rajasthan have the least.

Q81. 81. As per the given information, infer the impact of increasing demand on nature?

- **(a)** Agriculture will become an attractive source of income for more people.
- **(b)** Earth’s climate will face catastrophic changes.
- **(c)** Plantation will happen for more production of goods having great demand.
- **(d)** There will be less natural calamities with the use of advance technologies.
- **(e)** None of these

Q82. 82. Which of the following statement is false as per the information given in passage?

- **(a)** Cutting down trees is the reason for the decrease in the Greenhouse gases
- **(b)** Approximately one-third land is covered by forest of total surface area
- **(c)** Countries need to come forward to manage increasing temperature
- **(d)** Many major countries are facing deforestation due to commercial purpose
- **(e)** None of these

Q83. 83. Which of the following statement supports 'partial recovery' by some nations?

(a) Only six countries are responsible for full restoration while all countries are responsible for deforestation
(b) The effect is more of cutting down of the largest forest in the world
(c) Only six countries among the many, are able to restore more than half of the forest
(d) Deforestation is more majorly due to two countries which are South America and Russia
(e) None of these

Q84. 84. Select the word which is a synonym of the word 'mitigate' which is in bold in the passage?

(a) Lessen
(b) Emphasize
(c) Exaggerate
(d) Promote
(e) None of these

Q85. 85. Which of the following step(s) is/are taken by different countries are governments?

(i) Governments are planning to form an international organization to make rules more stringent.
(ii) Overseas governments are coming forward to promote plantation.
(iii) Huge plantation has been initiated by State governments in many states.

(a) Only (i)
(b) Only (ii)
(c) Only (iii) and (i)
(d) Only (iii) and (ii)
(e) All (i),(ii) and (iii)

Q86. 86. Which of the following given phrases will be fill in the blank given in the passage?

(a) Comply with the consumer demands for zero deforestation products.
(b) Poor implementation of the existing ones cited as the main causes.
(c) Deforestation due to commodity-driven plantations.
(d) Without any agricultural activity or human settlement.
(e) The amount of forest land taken over by industrially valuable crops.

Directions

Directions (87-93): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five pair of options are given. Find out the appropriate pair of words which fits the blank appropriately without changing the meaning.

U.S. President Joe Biden's attempts to revive the Joint Comprehensive Plan of Action (JCPOA), better known as the Iran nuclear deal, have not seen any _____ (87) with both sides waiting for the other to blink. The Biden administration says it would return to the deal if Iran starts complying with its terms. Tehran, on the other side, asks the U.S., which unilaterally _____ (88) the deal under the Donald Trump administration in May 2018, to return to the agreement first and lift sanctions on Iran. The EU's efforts to organise direct U.S.-Iran talks were also unsuccessful as Tehran reportedly_____ (89) the offer. Iran has also accelerated its nuclear programme. This game of chicken continues as the clock is ticking. Iran will elect a new President in June. Hassan Rouhani, who bet his presidency on the deal — only to be repudiated by Mr. Trump — cannot stand in a third consecutive election. There is no guarantee that a moderate like Mr. Rouhani would be elected this time. And it is not a secret that there is considerable opposition among the hardliners, a powerful constituency, towards any kind of _____ (90) with the U.S. Mr. Biden's best bet is to get the nuclear agreement back on track before Mr. Rouhani leaves office.

Q87. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed signs of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America's desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran's concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93) out of power, the Bush administration branded Iran as part of an "Axis of Evil" along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

87.

(a) anatomy, speculate
(b) significance, implication
(c) breakthrough, success
(d) surprise, factor
(e) rival, enemy

Q88. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed signs of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America's desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran's concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93) out of power, the Bush administration branded Iran as part of an "Axis of Evil" along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

88.

(a) relate, oppose
(b) thaw, announce
(c) resolve, tangle
(d) prevail, provoke
(e) quit, leave

Q89. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed strategy of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America's desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran's concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93) out of power, the Bush administration branded Iran as part of an "Axis of Evil" along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

89.

(a) rejected, refused
(b) routed, directed
(c) extend, enhance
(d) include, involve
(e) describe, recall

Q90. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed strategy of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America's desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran's concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93) out of power, the Bush administration branded Iran as part of an "Axis of Evil" along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

90.

(a) agreement, consent
(b) conflict, infringement
(c) reallocate, defuse
(d) engagement, involvement
(e) growing, becoming

Q91. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed strategy of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America's desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran's concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93)

out of power, the Bush administration branded Iran as part of an “Axis of Evil” along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

91.

(a) violate, break
(b) deploy, secure
(c) assuming, undertaking
(d) granting, allowing
(e) giving, renounce

Q92. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed strategy of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America’s desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran’s concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93) out of power, the Bush administration branded Iran as part of an “Axis of Evil” along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

92.

(a) indicate, reason
(b) deluge, dilute
(c) forming, planning
(d) rebuild, restore
(e) enshrine, implicate

Q93. To be sure, Mr. Biden has moved with a sense of urgency after _____ (91) power. He appointed a special envoy for Iran, showed strategy of rebalancing ties with Saudi Arabia, and sent clear signals to Tehran about America’s desire to get back to the deal. But these actions do not seem to be enough to _____(92) the trust after the acrimonious Trump years. Some of Iran’s concerns are genuine. After the September 11, 2001 terrorist attack, Iran had cooperated with the U.S. in the war against the Taliban. But once the Taliban were _____ (93) out of power, the Bush administration branded Iran as part of an “Axis of Evil” along with Iraq and North Korea. As President Barack Obama offered diplomacy, the Iranians grabbed the opportunity, leading to the signing of the JCPOA in 2015.

93.

(a) delineated, dividing
(b) appoint, posted
(c) driven, push
(d) aligned, commute
(e) remove, vanish

Directions

Directions (94-100): Read the passage carefully and answer the questions given below it.

The development of MICE industry (meetings, incentives, conferences and events) contributes to economic diversification, stimulates the rational use of cultural and natural-recreational resources, and enables a balanced growth of the whole tourism sector. For the United Arab Emirates (UAE), the tourism sector is especially important as a driver of national gross domestic product (GDP). As stated by the Dubai Annual Visitor Report 2019, at the end of 2019, tourism was responsible for contributing an impressive 11.5 per cent in GDP value. Furthermore, according to the World Travel and Tourism Council’s Cities Report, Dubai’s tourism sector was ranked one of ‘Top 10’ strongest economic share generators.

More than 2.3 million visitors cited business as their main purpose of travel to Dubai in 2019, marking a two per cent increase compared to 2018. In the year 2019, Dubai World Trade Center (DWTC) welcomed its record 3.57 million delegates, which declared the visitation growth of up to four per cent from the previous year. Such an increase was driven by 349 MICE and business events, 97 of which were large scale with over 2000 attendees. Since 2019, international participation in DWTC events grew by 15 per cent (equivalent to 1.2 million visitors), underlining the strong benefits the world businesses see in coming to Dubai with the aim of sharing knowledge, networking and accelerating their development. Last year, the business tourism events accounted for 3.3% of GDP, which amounts to USD 3.57 billion. The business tourism was a key element in stimulating the national economic growth and in the nearest future was supposed to reach intense development, making the UAE among the

central players in the global MICE industry. However, the introduced quarantine ruined these plans.

The COVID-19 pandemic has led to more than 4.3 million confirmed cases and more than 290.000 deaths worldwide. It raised fears of an impending economic crisis and recession. Social distancing, self-isolation, and travel restrictions have reduced the workforce in all sectors of the economy and have led to the loss of many jobs. Due to the lack of a vaccine and very limited treatment options, non-pharmaceutical interventions occurred to be the primary strategy to contain the pandemic. Unprecedented global travel restrictions and appeals to stay at home have caused the most critical disruptions of the global economy since World War II. Given the international travel bans that effect more than 90% of the global population and widespread restrictions on public gatherings and community mobility, tourism largely ceased in March 2020. Since the quarantine introduction, millions of jobs in the global tourism sector were lost due to flight, event and hotel cancellations.

Given that international arrivals exceeded 1.5 billion for the first time only in 2019, the long-term evolution of tourism is proved to be great dependent on a decade of growth since the global financial crisis. Though, this last period of unhindered business tourism development has suddenly come to an end with the COVID-19.

Accompanied by quarantine in most countries and closed borders worldwide, COVID-19 pandemic heavily hit the MICE industry. The majority of domestic and international airlines were forced to cancel their flights due_____, as people were frightened. The MICE industry was undermined by government efforts to contain and combat the pandemic. Borders were closed, trips banned, social and business events cancelled, and people were ordered to stay in their homes. By taking these actions, governments around the world sought to strike a balance between maintaining their economies and preventing dangerous levels of unemployment and deprivation.

Q94. 94. From which of the following statement the impact of COVID-19 on UAE can be inferred?

(a) The local tourists were the same as before because there was less impact of COVID-19.
(b) Tourism sector is the only sector in UAE which got affected due to pandemic.
(c) The rank of the UAE has been improved as other countries were also worse off by the pandemic.
(d) The country had the lowest GDP rate due to lesser demand in the tourism sector.
(e) None of these

Q95. 95. What is the reason for other countries' attraction to UAE for business and trade purposes?

(a) Easy trade policies and government support to trade increase the tourist for business.
(b) The country provides vast opportunities for the flourishment of exotic ideas and relations.
(c) UAE has natural resources in huge amount which lure other countries for investment.
(d) Because UAE is a developing country with more opportunities of investment and ideas.
(e) None of these

Q96. 96. What is the reason for great unemployment in the tourism industry compared to other sectors?

(a) As people were facing financial crises due to loss of jobs in other sectors also.
(b) Shut down of many tourist businesses as this is a highly risky sector due to mobility.
(c) A downturn in the tourism sector as people were avoiding traveling due to unwillingness to quarantine.

(a) Only (a) and (c)
(b) Only (b) and (c)
(c) Only (a)
(d) Only (b)
(e) None of these

Q97. 97. In the above passage, there are few words highlighted which may or may not be contextually and grammatically correct. If there is an incorrect word, find out which word it is?

(a) responsible
(b) declared
(c) stimulating
(d) reduced
(e) great

Q98. 98. Which of the following given phrases will be fill in the blank given in the passage?

(a) To enforce severe quarantine measures and a lack of passengers.
(b) Ensuring tourism's restart and recovery puts people first.
(c) Most reliant on tourism for jobs and economic growth.
(d) With immense socio-economic consequences for communities reliant on tourism.

(e) Particularly for workers temporarily without jobs and for job seekers.

Q99. 99. There is a highlighted sentence in the passage which may or may not have contain grammatical error. If there is any error, find out which part have error?

(a) Given the international travel bans
(b) That effect more than 90% of
(c) The global population and widespread,
(d) Restrictions on public gatherings and community mobility
(e) Tourism largely ceased in March 2020.

Q100. 100. Which of the following statement is true as per the information given in the above passage?

(A) Total lockdown on tourism sector was challenging for government as there was high risk of impoverishment.
(B) MICE and DWTC play important role in increase in international participation.
(C) Previous year of breakout of COVID-19 was sublime for tourism.

(a) Only (A) and (B)
(b) Only (C)
(c) Only (A)
(d) Both (B) and (C)
(e) All (A), (B) and (C)

Directions

Directions (101-105): In the following question there are two statements in each question. Each sentence has two highlighted words which may or may not be contextually and grammatically incorrect. Find the correct combination(s) of words which must be replaced to make both the sentences grammatically and contextually correct.

Q101. 101.(I) What makes the February ceasefire termination (A) is the fact that this agreement is different from the routine ceasefire assurances (B) that the two sides made till January 2021.

(II) The history of India Pakistan ceasefire pacts and war significant (C) agreements is both complex and instructive (D).

(a) Only (A)-(C)
(b) Only (B)-(C)
(c) BOTH (A)-(D) and (B)-(C)
(d) Only (A)-(C)
(e) No correction required

Q102. 102.(I) A smooth and inequality (A) roll-out of the vaccine, with the private sector drafted in to achieve scale, is an imperative to help India navigate the bumps ahead more deftly (B).

(II) Democracy demands informed debate especially when it comes to economic expeditious (C) which has been admittedly growing exponentially (D) in India.

(a) Both (A)-(D) and (B)-(C)
(b) Only (A)-(C)
(c) Only (A)-(D)
(d) only (B)-(D)
(e) No correction required

Q103. 103.(I) Public possession (A) of COVID-appropriate behaviour cannot be valuables (B).

(II) Those who have information about storage, compliance(C) or movement of a large amount of cash or jewellery or other diluted(D) can pass it on to the control room.

(a) Both (A)-(C) and (B)-(D)
(b) only (A)-(C)
(c) Only (A)-(D)
(d) only (B)-(D)
(e) No correction required

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Q104. 104.(I) COVID-19 patients have to get a certificate (A) from sanitation officers to cast postal ballot before submitting (B) it to the returning officers

(II) The filled-in applications for postal ballot will be received(C)from the voters by a mobile team after the list of candidates is finalized (D)in each of the 16 Assembly constituencies in the district.

(a) Both (A)-(D)
(b) only (A)-(C)
(c) Only (A)-(D)
(d) only (B)-(D) and (B)-(C)
(e) No correction required

Q105. 105.(I) The city police, with the help of traders, removed focus (A) from mandating (B).

(II) Several colleges and universities in India have rules pavements (C) that campuses be apolitical spaces where students should encroachments (D) on studies.

(a) only (B)-(D)
(b) only (A)-(D) and (B) - (C)
(c) Only (A)-(D)
(d) Both (A)-(C) and (B)-(D)
(e) No correction required

Directions

Directions (106-110): In the questions given below, few sentences are given which are grammatically correct and meaningful. Connect them by the word given below the statements in the best possible way without changing the intended meaning. Choose the best possible combination as your answer accordingly from the options to form a correct, coherent sentence.

Q106. 106.

Column I	Column II
(A) Bulls seem to be returning	(D) Elon Musk's meeting goes viral
(B) Throwback pic of Jeff Bezos	(E) NIFTY are showing all bearish signals
(C) The number of COVID-19 cases	(F) the second day in a row

(i) and
(ii) but
(iii) Otherwise

(a) (A)-(ii) -(E)
(b) (B)-(iii)- (F) and (A)-(ii) -(D)
(c) (A)-(ii) -(E) and (B)-(i) -(D)
(d) (C)-(i) -(D) and (B)-(ii) -(F)
(e) None of these

Q107. 107.

Column I	Column II
(A) A peek into the world of solitary bees who	(D) live in hives nor make honey
(B) The number of COVID-19 cases continued	(E) upward trend in the Capital
(C) More funds should be allocated for free vaccination	(F) most people can't afford vaccination

(i) neither
(ii) but
(iii) as

(a) (A)-(iii)-(E)
(b) (A)-(i)-(D) and (C)-(iii)-(F)
(c) (C)-(i)-(D) and (B)-(ii)-(F)

(d) (B)-(iii)- (F) and (A)-(ii)-(D)
(e) None of these

Q108. 108.

Column I	Column II
(A) 50 trees hacked illegally in twin town	(D) order was to trim
(B) Cloudy weather and light rain	(E) started gathering at the Ghazipur border
(C) A large number of protesters from Western Uttar Pradesh	(F) likely to bring the mercury down

(i) although
(ii) even
(iii) in spite

(a) (B)-(ii)-(F) and (C)-(iii)-(E)
(b) (C)-(iii)-(F) and (A)-(ii)-(E)
(c) (B)-(iii)- (D) and (C)-(ii)-(F)
(d) (A)-(i)-(D)
(e) None of these

Q109. 109.

Column I	Column II
(A) We continue to believe in the growth of company	(D) products for men and women on website
(B) The petition stated that in case of emergencies,	(E) few have retained our stakes for fund
(C) They sell makeup products and fashion accessories	(F) eradicated reserved lane for unrestricted use of emergency services

(i) as
(ii) as well as
(iii) therefore

(a) (A)-(iii)-(E) and (C)-(ii)-(D)
(b) (A)-(iii)-(F) and (B)-(i)-(E)
(c) (C)-(iii)- (F) and (B)-(ii)-(D)
(d) (A)-(i)-(E)
(e) None of these

Q110. 110.

Column I	Column II
(A) When you look at the number of voters	(D) a beneficiary namghar, the move could be a mathematical masterstroke,
(B) In view of the ongoing farmers' agitation	(E) to be acquired for Mumbai-Ahmedabad corridor
(C) Only 5% Gujrat land is acquired	(F) had appointed six duty magistrates to maintain law

(i) nor
(ii) yet
(iii) so

(a) (A)-(i) -(F) and (E)-(ii) -(F)
(b) (C)-(ii) -(E)
(c) (C)-(iii)- (F) and (B)-(ii) -(D)
(d) (A)-(ii) -(D)
(e) None of these

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Directions

Directions (111-113) In each of the following statements, there are some highlighted phrases which may or may not contain a grammatical error. Find out which highlighted phase in both the statements have errors. If there is no error, choose 'no error' as your answer.

Q111. 111.(A) This campaign was a failure as the Houthis (i) entrenched themselves in the north-west despite of the military and economic challenges (ii).

(B) The Anti-Bank Fraud Wing of the Central Crime Branch (CCB) have arrested two persons (iii) for taking loans from a private bank by (iv) producing fabricated documents.

(a) (i) and (iii)
(b) (iii) and (iv)
(c) (ii) and (iii)
(d) (i) and (iv)
(e) No error

Q112. 112.(A) At least 20 people, including any security personnel (i), have crossed into Mizoram from military coup-hit Myanmar and have sought refuge in India (ii).

(B) Every death is regrettable but we also have to ask (iii) ourselves why is there a problem, and the problem is because off crime (iv).

(a) Only (i)
(b) (ii) and (iii)
(c) Only (iv)
(d) (i) and (iv)
(e) No error

Q113. 113.(A) Election time usual presents a challenge (i) to leaders in choosing the right candidates from among thousands of aspirants (ii).

(B) They complain that surveillance teams seize even raw materials (iii), suspecting that it are been used to make (iv) ornaments to be distributed among voters.

(a) only (i) and (iv)
(b) (ii) and (iv)
(c) only (iii)
(d) (iii) and (iv)
(e) no error

Directions

Directions (114-115): In each of the following paragraph, there are three words in bold. Below each paragraph, there are five options and each option consists of three words which can replace the word given in bold respectively to make the paragraph grammatically and coherently correct. Find the most appropriate set of words that fit into the blanks contextually. If the words given in bold are correct then choose option (e) i.e., 'no replacement required' as your answer choice.

Q114. 114.Our courts must ensure that they _____to _____the first line of defence against the _____of the liberty of citizens.

(a) diverge, influence, preference
(b) continue, remain, deprivation
(c) pursuing, support, amid
(d) presence, progressive, cancelling
(e) None of these

Q115. 115.While _____between government officials is a regular exercise, there is another _____dimension to the growth of bilateral_____.

(a) temper, appear, approach
(b) require, qualify, provide
(c) assessment, remains, outreach

(d) interaction, significant, relations

(e) None of these

QUANTITATIVE APTITUDE

Directions

Direction (46-51): Line graph shows percentage distribution of orders delivered in week II and percentage of orders returns on the following days. Read the data carefully and answer the questions.

Note –

(i) Total order received on Sunday of Week II it will be delivered on next six days of week (Monday, Tuesday, Wednesday, Thursday, Friday & Saturday).

(ii) Remaining orders which did not delivered in these six days of week II are 25.

(iii) orders which received did not return on same day it has to be return next day of delivery. No orders are return on Sunday of week III

Q46. 46. Find sum of total number of orders delivered on Tuesday and total orders returned on Wednesday?

(a) 66

(b) 56

(c) 64

(d) 68

(e) 76

Q47. 47. Total returned orders on Saturday are what percent more or less than that of on Wednesday?

(a) 20%

(b) 66 2⁄3%

(c) 36 1⁄3%

(d) 33 1⁄3%

(e) 30 1⁄3%

Q48. 48. If we are arranging returns orders in increasing order, then find the average of returned orders from Wednesday to Friday?

(a) 31/3

(b) 32/3

(c) 29/3

(d) 35/3

(e) 26/3

Q49. 49. If we interchange the delivered orders on Friday and Thursday, then find the difference between orders returned on Friday and Saturday now?

(a) 8

(b) 16

(c) 24

(d) 4

(e) 6

Q50. 50. Find the ratio of total orders returned on Tuesday & Thursday together to total orders received on Saturday?

(a) 7 : 25

(b) 7 : 15

(c) 16 : 25

(d) 12 : 25

(e) 14 : 25

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Q51. 51. Find total number of returned orders from Tuesday to Saturday?

(a) 61
(b) 57
(c) 55
(d) 59
(e) 63

Directions

Direction (52 – 53): Read the data carefully and answer the following the questions.

20, (a), (b), (c), (d), 65

$a - 20 = X^2 + Y$

$b - a = (X + 1)^2 + Y$ (b > a)

$c - b = (X + 2)^2 + Y$ (c > b)

$d - c = (X + 3)^2 + Y$ (d > c)

Given, X = HCF of M & N, which are prime numbers

And, Y = Smallest root of $z^2 - z - 6 = 0$

Q52. 52. How many numbers are divisible by 3?

(a) a & c Only
(b) a, b & d Only
(c) b & d Only
(d) c & d Only
(e) a & d Only

Q53. 53. Find the value of 'd'?

(a) 19
(b) 21
(c) 28
(d) 42
(e) 48

Directions

Direction (54-56): Read the data carefully and answer the following questions.

A school conduct an exam in which there are two papers written and practical. Maximum marks of written paper is 80 and maximum marks of practical paper is 60.

Note –

(i) Total maximum marks in exam = Maximum marks of written paper + Maximum marks of practical paper

(ii) Total maximum weightage score = Weightage percentage × Maximum marks of written paper + Weightage percentage × Maximum marks of practical paper

(iii) Total obtained weightage score = Weightage percentage × obtained marks of written paper + Weightage percentage × obtained marks of practical paper

(iv) Weightage percentage of written exam is 60% and weightage percentage of practical exam is 40%.

A obtained 52 weighted score in exam. B obtained 52 weighted score in exam and he gets 55 marks in practical paper. C obtained 50 marks in practical paper. D obtained 70 marks in written paper and he gets 75% in practical paper.

Q54. 54. If C obtained 65 weightage score in exam, then find the ratio of marks obtained by C in written paper to that of B?

(a) 2 : 3
(b) 3 : 2
(c) 2 : 1
(d) 3 : 1
(e) None of these

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Q55. 55. If D scored 7 1/7 % more marks in written paper and C scored 60 marks in written paper, then find the difference between obtained weighted score of C and D is what percent (approximate) of maximum weightage score

(a) 12%
(b) 8%
(c) 10%
(d) 15%
(e) 5%

Q56. 56. If A scored 12% more in written paper than B, then find the scored obtained by A in practical paper?

(a) 46
(b) 48
(c) 42
(d) 36
(e) 40

Q57. 57. What will be the probability of choosing two fresh eggs simultaneously from tray A given that there are only two trays i.e. tray A and tray B?

Statement I: Tray B contains 30 Eggs in which fresh and rotten eggs in the ratio 7 : 3. Ratio of fresh eggs in Tray A and Tray B is 2 : 3

Statement II: Tray A contains 20 Eggs in total out of which 14 are fresh and rest are rotten.

Statement III: Tray B contains 30 Eggs and Tray A contains 20 Eggs respectively. Ratio of Rotten eggs and fresh eggs in Tray A is 3:7

(a) Either I or II
(b) Either II or III
(c) Any one of them
(d) I alone
(e) All statements are required

Q58. 58. Read the given information carefully and answer.

Statement I: [Formula above]

Statement II: 2, 19 and 7 are the only prime factors of 408842.

Statement III: Ram could not have an average speed of 2a km/hr for the whole journey if he travels 50% of that distance at an average speed of a km/hr.

(a) Both statements I & II are correct
(b) Both statements II & III are correct
(c) All statements are correct
(d) Both statements III & I are correct
(e) None of the above

Q59. 59. P, Q and R entered into a partnership by investing certain amount for 12 months, T months and 12 – T months respectively. Find the value of T?

Statement I: Q invested 50% more amount than invested by P and R invested twice the amount invested by Q.

Statement II: At the end of partnership total profit earned by them is Rs. 700 and Q gets Rs. 100 as profit share.

Statement III: Ratio of profit share of P to R is 1 : 2.

(a) Only I and II together
(b) Either I and II or I and III
(c) All three statements together sufficient
(d) Only II and III together
(e) Only I and III together

Q60. 60. Find the cost price of article?

Statement I: An article is mark up by T% above its cost price and sold at discount of 20% and shopkeeper manages to earn profit of 44%.

Statement II: If shopkeeper offers discount of 40% on mark price, then still shopkeeper earns profit of Rs. 16.

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Statement III: If shopkeeper doesn't allows any discount on mark price then selling price will be Rs. 160 more than cost price of article.

(a) Only I and II together
(b) Only I and II or III together
(c) All three statements together sufficient
(d) Only II and III together
(e) I and II or II and III or I and III

Q61. 61. If a, b, c and d are positive integers, then comparison these quantities.

(i) a^-b / a^-a = ab × c

(ii) $(a^3 \times b^3) / ab^2 = (d^{\wedge}4 \times b^3) / (d \times b)$

Quantity I : Find value of C.

Quantity II : Find value of d.

(a) Quantity I > Quantity II
(b) Quantity I < Quantity II
(c) Quantity I ≥ Quantity II
(d) Quantity I ≤ Quantity II
(e) Quantity I = Quantity II or no relation

Directions

Direction (62- 65): There was a football tournament of three teams, A, B & C and each team played two matches.

There are some patterns of each match;

(i) Each team get two points for scoring a goal to opponent team.

(ii) Each team get one point extra scoring goal outside form D area.

(iii) Each team get penalty of one point if it conceded any goal. Goal conceded means goal is scored by opponent team.

(iv) Only three players from each team scored goal.

Match of team A to B: B is winner in this match and B gets four points. Team A scored two goals in match against B. No player scored goal outside form D area.

Match of team A to C: C has zero points in this match. Only one player from team A scored goal outside form D area. A has secured four points from this match.

Match of team B to C : B gets six points from the match and team C scored one goal more than B.. Only one player from team B scored goal outside form D area.

Q62. 62. If rank three team received Rs. 60000 as prize money and ratio of prize money of rank one, rank two and rank three is 8 : 5 : 3, then which of following combination is correct.

(a) Prize money of team B gets > 150000 Rs.
(b) Difference between prize money received by team A & B is equal to prize money received by team C
(c) None of these
(d) (a) and (b) both
(e) Can't determine

Q63. 63. What is sum of maximum goal scored by a single player in each match?

(a) 11
(b) 12
(c) 13
(d) 15
(e) 16

Q64. 64. Total points gets by team A is wat percent less than total scored gets by team B?

(a) 25%
(b) 50%
(c) 40%
(d) 75%

(e) None of these

Q65. 65. Team B won the tournament by how much points as compare to team C?

(a) 1
(b) 2
(c) 3
(d) 4
(e) 5

Directions

Direction (66-68): A dishonest milkman mixed some water in milk and sold it to three person P, Q & R in same order. After mixing the ratio of milk and water becomes 5 : 1 respectively. Table given below show how the exchange took place (Milkman sold 120 liters to person P and then he added 80 liters of milk and 0 liters of water. The same is given for B & C)

Q66.

Shopkeepers	Quantity sold (l)	Milk added (l)	Water added (l)	Mixture left (l)
P	120	80	0	560
Q	Y	80	10	M
R	87	3r	r	z

66. If the quantity of mixture right before selling to P was 'X' liters, then find value of X?

(a) 720
(b) 540
(c) 600
(d) 660
(e) 480

Q67.

Shopkeepers	Quantity sold (l)	Milk added (l)	Water added (l)	Mixture left (l)
P	120	80	0	560
Q	Y	80	10	M
R	87	3r	r	z

67. If the ratio of milk to water with milkman has just before selling it to R is 25: 4, then find the quantity of mixture milkman has just before selling it to R?

(a) 580 liters
(b) 660 liters
(c) 425 liters
(d) 520 liters
(e) 740 liters

Q68.

Shopkeepers	Quantity sold (l)	Milk added (l)	Water added (l)	Mixture left (l)
P	120	80	0	560
Q	Y	80	10	M
R	87	3r	r	z

68. If the difference between milk and water in the final mixture is 427 liters, then find the value of 'r' (use the data from the previous questions)?

(a) 28
(b) 27

(c) 25
(d) 35
(e) 21

Directions

Direction (69-71): Four yoga trainers A, B, C & D take classes in a month. Pie chart shows total hours distribution taken by these all four trainers to take classes. Read the data carefully and answer the questions.

Trainer	Percentage of Total Hours
A	20%
B	25%
C	50%
D	5%

Total hours = 60

Note:

(i) They take classes for 1 hour (Basic classes), 2 hours (Regular classes) and 3 hours (Advance classes). No trainer can leave class before time and can not take class for any extra time.

(ii) D does not take any regular classes. He will take either basic or advance class.

Q69. 69. If A takes twice basic classes than advance classes, then find number of classes taken by A?
(a) 5
(b) 7
(c) 8
(d) 9
(e) 10

Q70. 70. Next month D takes 10 hours classes and he use three hours at same pattern as previous month. If number of basic classes taken by D in next month is twice the advance classes, then find the difference between basic and advance classes taken by him in next month?
(a) 1
(b) 2
(c) 3
(d) 4
(e) 5

Q71. 71. B and C takes all three types of classes. Basic classes taken by B is equal to regular classes taken by him and C takes four regular classes in the month. If number of advance classes taken by B & C are same, then find minimum and maximum basic classes taken by C?
(a) 7,19
(b) 11,19
(c) 10, 19
(d) 10, 17
(e) 7, 17

Q72. 72. A can complete a piece of work in ‘a’ days by working ‘m’ hours per day, and B can complete the same work in ‘b’ days by working ‘n’ hours per day. If each of them reduces his working hours per day by 4 hours, each of them would take 5 days more to finish the work (m, n < 16). Which of the following is the time taken if A and B started working together such that A worked for ‘m’ hours per day and B worked for ‘n’ hours per day? (m, n,a, b are all integers)

I. 5 days II. 4 days III. 10/3 days

IV. 2.5 days V. 3 ½ days

(a) Both I and V
(b) I, III and IV

(c) Both I and III
(d) Both III and IV
(e) II, IV and V

Q73. 73. A sum of Rs. _____ invested in scheme 'A' at the rate of 16% p.a. for five years at simple interest. 75% amount from scheme 'A' invested in scheme 'B' offering compound interest at the rate of 20% p.a. for two years and the total interest from scheme 'B' is Rs. _____.

(a) 8500 & 5049 (b) 13000 & 7722 (c) 16000 & 6336

(d) 7500 & 5940

(a) Only C & D
(b) Only A & B
(c) Only A, C & D
(d) Only A & D
(e) All A, B, C & D

Directions

Direction (74-76): Read the given information carefully and answer the following questions.

Annual sales of a laptop company depend on markets and brand ambassador used to advertise the product. Market is of three states: State I, State II and State III with probabilities of 0.4, 0.4 and 0.3 respectively. Per unit selling price and cost price of a laptop is Rs. 40000 and Rs. 38500 respectively. The given table shows the annual targeted sales (number of units) of the company. (assume there is no change in cost of selling and cost price of laptop after advertising with brand ambassador).

	State I	State II	State III
With brand ambassador	10000	8000	5000
Without brand ambassador	8000	5000	3000

Expected profit of company = Σ XiPi

Where, Xi = Profit

Pi = Probability of each market state.

Q74. 74. The maximum amount that the company can afford to pay its brand ambassador.

(a) Rs. 45 lakhs
(b) Rs. 39 lakhs
(c) Rs. 36 lakhs
(d) Rs. 40 lakhs
(e) Rs. 42 lakhs

Q75. 75. If company signed a contract with Mr. X to be a brand ambassador of company for Rs. 24.5 lakh then find the increment in the profit on selling a unit of laptop in the market?

(a) Rs. 150
(b) Rs. 175
(c) Rs. 183.34
(d) Rs. 160
(e) Rs. 166.67

Q76. 76. If signing a contract with Mr. X for Rs. 24.5 lakh, then cost price of a laptop in each state of market goes up by Rs. 100. Find the total profit earned by the company?

(a) Rs. 5.8 lakhs
(b) Rs. 6.2 lakhs
(c) Rs. 4.5 lakhs
(d) Rs. 5 lakhs
(e) Rs. 6.4 lakhs

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Directions

Direction (77-80): In each of the following questions, three quantities (Quantity I, Quantity II, Quantity III) are given. Compare their numerical value and choose the correct options.

Q77. Direction (77-78): Read the given information and answer the following questions carefully.

There are total 200 students in a class who are playing either badminton or tennis or both. Boys playing only tennis is 1/3rd of the total number of girls playing only one game and girls playing badminton is equal to the number of boys in the class. Number of girls playing both the games together and girls playing only tennis is respectively 40% more than and twice of number of boys playing only badminton. Number of boys playing both the games together is half of the girls playing only badminton.

77. Quantity I: Number of boys playing tennis.

Quantity II: Number of girls playing only tennis.

Quantity III: Difference between number of boys playing only badminton and number of students playing both the games together.

(a) Quantity II>Quantity III>Quantity I
(b) Quantity I=Quantity II=Quantity III
(c) Quantity I=Quantity II>Quantity III
(d) Quantity IIQuantity III
(e) Quantity III=Quantity I>Quantity II

Q78. Direction (77-78): Read the given information and answer the following questions carefully.

There are total 200 students in a class who are playing either badminton or tennis or both. Boys playing only tennis is 1/3rd of the total number of girls playing only one game and girls playing badminton is equal to the number of boys in the class. Number of girls playing both the games together and girls playing only tennis is respectively 40% more than and twice of number of boys playing only badminton. Number of boys playing both the games together is half of the girls playing only badminton.

78. Quantity I: Difference between the number of girls playing either of the two games only.

Quantity II: 60% of the number of boys playing both the games together.

Quantity III: 40% of the difference between boys playing only badminton and girls playing only tennis.

(a) Quantity II=Quantity I>Quantity III
(b) Quantity I=Quantity II=Quantity III
(c) Quantity III=Quantity II>Quantity II
(d) Quantity II>Quantity III=Quantity I
(e) None of the these

Q79. 79. Quantity I: 'b'- First vessel contains 40 lit of mixture (milk: water=2: 1). Second vessel contains only 'a' lit of water. When 'b' lit of mixture is taken out from first vessel and poured into second vessel then ratio of milk to water in it becomes 2:3. And if 33 lit of mixture is taken from first vessel and added to second vessel then quantity of milk and water becomes equal in second vessel.

Quantity II: 'c' - 20 lit of acid solution of 15% acid content is mixed with 'c' liters of acid solution of 30% acid content so that the acid content in the resulting mixture be more than or equal to 22.5% but less than or equal to 25%.

Quantity III: Vessel A & B contains the mixture of three cold-drinks (i.e. Sprite, Fanta, Coke) in the ratio of 5: 3: 8 & 3: 2: 2 respectively. If both vessels are mixed in the respective ratio of 8: 7 into vessel C then difference between quantities of Sprite (taken from A and B) in C is four liters, then find difference between the quantity of Fanta and Coke in vessel C?

(a) Quantity II<Quantity I≤Quantity III
(b) Quantity I<Quantity III≤Quantity II
(c) Quantity III=Quantity II>Quantity II
(d) Quantity II≥Quantity III=Quantity I
(e) None of these

Q80. 80. Quantity I: The chances of India wining a match against England is 1/5. What is the minimum number of matches India should play against England so that there is a fair chance of winning a match?

Quantity II: How many five digits numbers are possible when unit digit of that number is prime and the product of all the digits of that number is also prime.

Quantity III: A and B starts walking towards each other at 6 AM at the respective speed of 5 km/h and 8 km/h. They meet at a place where they have coffee and at 12:04 PM they again start walking towards their destination. Find the time spent on coffee (in minutes) if A reach his destination at 9:40 PM.

(a) Quantity II<Quantity I≤Quantity III
(b) Quantity I<Quantity III≤Quantity II
(c) Quantity III=Quantity II>Quantity II
(d) Quantity II≥Quantity III=Quantity I
(e) None of these

REASONING ABILITY

Directions

Directions (1-4): Study the following information carefully to answer the given question.

There are eight members i.e. M, N, Q, A, R, O, B and P in a family having three generation and all are related to Q in a certain way and there are only two married couple in the family. They all sit around a circular table such that all face towards the centre. Q sits third to the left of his mother-in-law, who sits second to the left of sister of R. N is unmarried. O has only one son. B is the grandson of A, who sits third to the right of N, who is the aunt of B. O is the mother of R. M is the mother-in-law of P and sits on the immediate left of brother in law of Q. N is the only daughter of M. A and O is not the married couple. Son of Q sits third to the right of Q's brother-in-law. R is not married. N is not the immediate neighbour of P. P is married to Q.

Q1. 1. How is O related to Q?

(a) Mother
(b) Father
(c) Grandmother
(d) Mother-in-law
(e) None of these

Q2. 2. Who among the following sits second to the right of son of Q?

(a) Mother of Q
(b) Father of B
(c) Father of N
(d) Brother of N
(e) None of these

Q3. 3. How many persons sit between P and sister of Q?

(a) Three
(b) Two
(c) One
(d) Four
(e) None of these

Q4. 4. Who among the following is the mother of B?

(a) P
(b) M
(c) O
(d) R
(e) None of these

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Directions

Directions (5-7): Study the given information and answer the questions:

When a number arrangement machine is given an input line of numbers, it arranges them following a particular rule. The following is an illustration of an input and its rearrangement.

INPUT: 76 91 29 83 47 66 39 57

STEP I: 152 182 58 166 94 132 78 114

STEP II: 60 120 216 130 76 105 72

STEP III: 15 7 22 10 22

STEP IV: 5 7 4 0 4

Step IV, is the last step of the above arrangement as the intended arrangement is obtained.

As per the rules followed in the given steps find out the appropriate steps for the given input:

Input: 52 36 69 73 57 23 41 84

Q5. 5. What is the sum of all the numbers in the last step of the given arrangement?

(a) 17
(b) 23
(c) 28
(d) 16
(e) None of the above

Q6. 6. Which element is 2nd to the right of the one which is 4th from the left element in step II?

(a) 105
(b) 68
(c) 64
(d) 46
(e) None of these

Q7. 7. What is the product of the numbers which is 2nd from the right end and 3rd from the left end in final step of the given arrangement?

(a) 28
(b) 140
(c) 18
(d) 100
(e) None of the above

Directions

Directions (8-11): Read the given information carefully and answer the questions given below.

Q8. There is a family of nine members A, D, G, J, K, L, M, P and R. All of them are sitting on a straight bench in the garden with an equal distance between them, but not necessarily in the same order. Some of them are facing north and rest are facing south. There are three generation in the family.

D, who is L's mother sits fourth to the left of P. The ones who sit at the extreme ends face the south direction. P is the only son of R and both face the opposite directions. D sits immediate to M. A is not married and faces the same direction as K. R, who is the sister of A sits at one of the extreme ends with a male member. D's neighbours are males and face the opposite directions. G's soul mate D faces the south direction. M, who is the husband of K sits exactly in the middle of the bench and faces the north direction. L, who is a male, is the only sibling of K, who sits exactly between A and P's sister, who is a female. L faces the same direction as G. A sits third to the left of G, who is P's grandfather and who sits immediate to M.

8. How many female members are there in the family?

(a) Two
(b) Five
(c) Four
(d) Six

(e) Three

Q9. There is a family of nine members A, D, G, J, K, L, M, P and R. All of them are sitting on a straight bench in the garden with an equal distance between them, but not necessarily in the same order. Some of them are facing north and rest are facing south. There are three generation in the family.

D, who is L's mother sits fourth to the left of P. The ones who sit at the extreme ends face the south direction. P is the only son of R and both face the opposite directions. D sits immediate to M. A is not married and faces the same direction as K. R, who is the sister of A sits at one of the extreme ends with a male member. D's neighbours are males and face the opposite directions. G's soul mate D faces the south direction. M, who is the husband of K sits exactly in the middle of the bench and faces the north direction. L, who is a male, is the only sibling of K, who sits exactly between A and P's sister, who is a female. L faces the same direction as G. A sits third to the left of G, who is P's grandfather and who sits immediate to M.

9. How many members face the north direction?

(a) Two
(b) Four
(c) Three
(d) Five
(e) More than five

Q10. There is a family of nine members A, D, G, J, K, L, M, P and R. All of them are sitting on a straight bench in the garden with an equal distance between them, but not necessarily in the same order. Some of them are facing north and rest are facing south. There are three generation in the family.

D, who is L's mother sits fourth to the left of P. The ones who sit at the extreme ends face the south direction. P is the only son of R and both face the opposite directions. D sits immediate to M. A is not married and faces the same direction as K. R, who is the sister of A sits at one of the extreme ends with a male member. D's neighbours are males and face the opposite directions. G's soul mate D faces the south direction. M, who is the husband of K sits exactly in the middle of the bench and faces the north direction. L, who is a male, is the only sibling of K, who sits exactly between A and P's sister, who is a female. L faces the same direction as G. A sits third to the left of G, who is P's grandfather and who sits immediate to M.

10. How is J related to L?

(a) Son
(b) Brother
(c) Sister
(d) Nephew
(e) Daughter

Q11. There is a family of nine members A, D, G, J, K, L, M, P and R. All of them are sitting on a straight bench in the garden with an equal distance between them, but not necessarily in the same order. Some of them are facing north and rest are facing south. There are three generation in the family.

D, who is L's mother sits fourth to the left of P. The ones who sit at the extreme ends face the south direction. P is the only son of R and both face the opposite directions. D sits immediate to M. A is not married and faces the same direction as K. R, who is the sister of A sits at one of the extreme ends with a male member. D's neighbours are males and face the opposite directions. G's soul mate D faces the south direction. M, who is the husband of K sits exactly in the middle of the bench and faces the north direction. L, who is a male, is the only sibling of K, who sits exactly between A and P's sister, who is a female. L faces the same direction as G. A sits third to the left of G, who is P's grandfather and who sits immediate to M.

11. Which of the following pair sits at the extreme ends of the bench?

(a) R, A
(b) P, R
(c) R, J
(d) K, R
(e) None of these

Q12. Direction (12): In the following question a statement is given followed by two more statements numbered as I and II. You have to read both the statement and decide which of them strength which of them strengthens or weakens the statement.

12. Statement- As an emerging economic superpower, it is quite tragic that more than one in three children in India are stunted. Stunting is associated with an underdeveloped brain, with long-lasting harmful consequences, and increased risks of nutrition-related chronic diseases, such as diabetes, hypertension, and obesity in future. Thus, stunting can be classified by itself as an illness as it leads to negatively affecting the present and future of the child.

(I) Higher economic growth and increased spending on nutrition access programme have not resulted in proportionate decrease in child malnutrition or stunting.

(II) Multiple researchers have proven the link between illness and malnutrition/ stunting in children.

(a) Both I and II strengthens
(b) I strengthen while II weakens
(c) II strengthens while I weaken
(d) Statement I strengthen while Statement II is neutral.
(e) Both I and II weakens.

Q13. Direction (13): In the following question a statement is given followed by three assumptions numbered as I, II and III. You have to read all the statements and decide which of them follows the argument mentioned in statement.

13. Rooftop solar power growth has demonstrated an overall positive trend, But this will need to be scaled up massively to achieve the national target.

Assumption:

(I) With ongoing improvements to solar cell efficiency and battery technology, rooftops will only get more attractive in the future.

(II) Major solar projects that connect to the grid often face the challenge of land acquisition and transmission connectivity.

(III) A survey helps determine usable rooftops, separating them from green spaces, and analyses the quality of the solar resource.

(a) Only II follows
(b) Both II and III follows
(c) Both I and III follows
(d) Only I follows
(e) Both I and II follows

Directions

Directions (14-18): Study the following information carefully and answer the questions given below.

There are seven boxes i.e. A, B, C, D, E, F and G which are of different colour and kept one above the another. The boxes are of different weights. Only two boxes are kept between box A and box C. Yellow colour box is kept immediately below C. Box A is of Blue colour. There is only one box kept between Yellow colour box and Black colour box. Blue colour box is kept above Black colour box. Only two boxes are lighter than Blue colour box. Only three boxes are kept between Red colour and Black colour box. White colour box is heavier than Red colour box but just lighter than Black colour box. Yellow colour box is just lighter than Red colour box. Black colour box is not the heaviest. Only two boxes are kept between box B and Red colour box. Box B is heavier than box E which is kept immediately below box B. Black colour box is just lighter than box D. Only one box kept between box E and box F. Box G is kept immediately below Green colour box. One of the box is of Pink colour.

Q14. 14. Which of the following box is of Green colour?

(a) Box D
(b) Box B
(c) Box E
(d) Box C
(e) None of these

Q15. 15. Which of the following box is the lightest?

(a) Box E
(b) Box D
(c) Box F
(d) Box B
(e) None of these

Q16. 16. How many boxes are lighter than the box which is kept immediately below A?

(a) One
(b) Four
(c) Three
(d) Two
(e) None of these

Q17. 17. Box C is of which colour box?

(a) Green
(b) Red
(c) White
(d) Black
(e) None of these

Q18. 18. How many boxes are kept below the box which is just lighter than box D?

(a) None
(b) One
(c) Two
(d) Three
(e) None of these

Directions

Directions (19-21): In each group of questions below are two conclusions followed by some statements. You have to choose the correct set of statements that logically satisfies both the conclusions even if they seem to be at variance with commonly known facts:

Q19. 19. Conclusion: I. All Home can be Office.
II. Some Party is not Building.

(a) No Office is Home.
No Office is Building.
All Office is Party.
(b) No Home is Building.
All Office is Home.
All Party is Building.
(c) All Home is Party.
All Office is Party.
No Office is Building.
Some Office are Home.
(d) All Building is Home.
Some Home is Office.
Some Office is Party.
(e) None of these

Q20. 20. Conclusion: I. Some Dog is not Horse.
II. Some Cat can be Horse.

(a) Some Horse is Dog.

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No Elephant is Horse.
Some Cat is Dog.

(b) All Elephant is Cat.
All Dog is Horse.
Some Elephant is Dog.

(c) All Elephant is Dog.
All Dog is Cat.
No Cat is Horse.

(d) No Elephant is Horse.
Some Dog is Elephant.
No Dog is Cat.

(e) None of these

Q21. 21. Conclusion: I. Some Suzuki is Maruti.
II. Some Tata are not Honda.
Statements:

(a) Some Suzuki is Honda. No Honda is Maruti. Some Tata is Maruti.
(b) All Tata is Suzuki. All Maruti is Tata. No Maruti is Honda.
(c) All Maruti is Tata. All Suzuki is Tata. No Tata is Honda.
(d) No Maruti is Suzuki. Some Suzuki is Tata. No Tata is Honda.
(e) None of these

Q22. Directions (22-26): Study the following information carefully and answer the questions given below:

Six employees i.e. P, Q, R S, T and U are working in a company at different designations i.e. Chief Legal Officer (CLO), Chief Marketing Officer (CMO), Chief Technology Officer (CTO), Chief Financial Officer (CFO), Chief Operating Officer (COO) and Chief Executive Officer (CEO).

Sequence of the posts are same as mentioned above with Chief Legal Officer (CLO) being the junior most position and Chief Executive Officer (CEO) being the topmost position and. They all have different years of working experiences and gets different salaries on the basis of the sequence of their designation (senior most employee get the highest salary and has the maximum years of experience and the junior most has least experience and salary). All the information is not necessarily in the same order.

The salary of P is a multiple of 11. The one who has 10 years of experience earns 10K less than U who is not CFO. At most one person is senior to S. Only two employees are junior than the one who has 8 years of working experience. The one who is COO has 3 years more experience than the one who is getting 60K. The sum of the salaries of CLO and CMO is same as the salary of the one who has the maximum work experience. 15 years is the maximum years of working experience. Only two designations are there in between the designations of S and P. The working experiences of CMO and CTO are in consecutive years. CMO is getting 50K. R is junior than P. The CEO salary is 5k less than the square of the smallest two digit number. Q is junior than R and having the working experience equal to the sum of the digit of the salary what R gets. The salary of CTO is less than 57K.

22. Who among the following has 10 years of working experience?

(a) The one who gets 55K
(b) The one who is just junior than U
(c) T
(d) Both (b) and (c)
(e) Both (a) and (c)

Q23. Fill in the blank with the most appropriate word to make the sentence meaningfully complete.
The board of directors decided to _____ the proposal due to a lack of sufficient funding.

(a) adopt
(b) shelve
(c) endorse
(d) implement
(e) augment

Q24. Choose the alternative which best expresses the meaning of the idiom/phrase underlined in the sentence.

He had to eat humble pie after his claims about the project were proven wrong.

(a) To celebrate a victory
(b) To apologize and accept humiliation
(c) To work hard for success
(d) To ignore the criticism
(e) To make a profit

Q25. Select the most appropriate synonym of the given word.

PRUDENT

(a) Cautious
(b) Reckless
(c) Indiscreet
(d) Hasty
(e) Foolish

Q26. Identify the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'.

Hardly had the meeting started when the lights went out.

(a) than the lights went out
(b) then the lights went out
(c) when the lights had gone out
(d) No improvement
(e) while the lights went out

Q27. Direction (27): In the following question a statement is given followed by two statements numbered as I and II. You have to read all the statements and decide which of them follows the argument mentioned in statement.

27. The Indian Meteorological Department's forecast of above-normal maximum and minimum temperatures across the country during the pre-monsoon March-May period is a timely alert for State authorities to review their preparedness.

(I) Even a marginal rise above the normal will lead to enormous heat stress for millions of Indians.

(II) A spike in summer temperatures in India is not new as in recent decades it has resulted in a higher probability of extreme heat waves and caused a lot of deaths.

(a) Only II follows
(b) Only I follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follows

Directions

Directions (28-31): Study the information carefully and answer the questions given below.

Six people Varun, charu, Trisha, Mohit, Anko and Virat are born in different years with the current base is taken as 2018. None of them is older than 90 years old. They like different colours Red, Blue, White, Pink, Yellow, Black.

Note- The last two digits or reverse of the last two digits of the year in which a person is born can be the age of some other person. (Like A is born in 1943 and age of B is denoted by the last two digits of the birth year of A. Then B's age will be either 34 or 43).

Virat is just older than the one who likes Black colour. Anko was born in the year 1979. The difference of age between Anko and Varun is 24 years. Trisha's age is sum of the digits of the year in which Varun was born. The who likes Blue colour is just younger than Mohit. Mohit's age is either the last two digits or reverse of the last two digits of the year in which Trisha was born. Only one person is older than Mohit. The one who likes Red colour is 3 years elder to Trisha. The one who likes white colour is 1 year younger than the one who likes Pink color. Charu is born before Anko.

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Q28. 28. Who among the following likes Yellow colour?

(a) Anko
(b) Trisha
(c) Charu
(d) Varun
(e) none of these

Q29. 29. Who among the following is the eldest?

(a) Anko
(b) Mohit
(c) Charu
(d) Virat
(e) none of these

Q30. 30. Which of the following combination is true?

(a) Anko- 1979-Red
(b) Varun- 1955- Yellow
(c) Charu-1928- pink
(d) Trisha-1998- Blue
(e) none of these

Q31. 31. Which of the following statement is correct?

(a) Anko is younger than Virat
(b) Virat is the youngest
(c) Trisha born in 1998
(d) Varun is the eldest
(e) All are correct

Directions

Directions (32-35): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement are sufficient to answer the question. Read both the statements and Give answer:

(a) If 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.

(b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

(d) If the data even in both statements I and II together are not sufficient to answer the question.

(e) If the data in both statements I and II together are necessary to answer the question.

Q32. 32. On which of the following day of the week starting from Monday to Sunday Riya leaves for Puducherry?

I. Riya's sister correctly remembers that Riya left for Puducherry one of the day after Wednesday.

II. Riya's mother correctly remembers that Riya left for Puducherry after Tuesday but before Saturday.

(a) If 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.
(b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
(d) If the data even in both statements I and II together are not sufficient to answer the question.
(e) If the data in both statements I and II together are necessary to answer the question.

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Q33. 33. How is N related to M?

I. M is Father of J. R is the son of K. R is the son-in-law of N. J is the sister of R. O is the only daughter of N.

II. R is the son of N and is the father-in-law of M. O is the brother M. K is married to M. K is the only son of R.

(a) If 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.

(b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

(d) If the data even in both statements I and II together are not sufficient to answer the question.

(e) If the data in both statements I and II together are necessary to answer the question.

Q34. 34. Who among the following Ashu, Ravi, Neha, Nitin and Riya got the highest marks in the examination (out of 100)?

I. The one who got 75 marks is the person who got second highest marks in the examination. Ashu scored more marks than Neha and Riya. Ashu does not got the highest marks.

II. Riya get more marks than only one person. Neha got more marks than Riya but not the second highest marks.

(a) If 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.

(b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

(d) If the data even in both statements I and II together are not sufficient to answer the question.

(e) If the data in both statements I and II together are necessary to answer the question.

Q35. 35. Some persons are sitting in a row facing in the same direction. How many persons are sitting in the row?

I. A sits third to the left of G, and second to the right of M. Both M and G does not sit at the end of the row. B sits at the end of the row.

II. L sits fourth to the left of E and sits at the end of the row. B sits fourth to the right of K, who sits second to the right of A. E, sits between M and A.

(a) If 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.

(b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

(c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

(d) If the data even in both statements I and II together are not sufficient to answer the question.

(e) If the data in both statements I and II together are necessary to answer the question.

Directions

Directions (36-40): Read the following information carefully and answer the given questions.

Thirteen persons are standing in four different queues in front of the four different counters viz. A, B, C and D. All the counter are in the same line aligned in west to east direction starting with counter A at the easternmost end followed by counter B to the west of it till counter D at the westernmost end. All the persons are facing towards North. The distance between two persons standing in a queue is same for all the queue. Among the thirteen persons four of them are married couple and no couple stands in the queue of same counter.

Two person stands between K and J in a queue. Number of persons standing in queue against counter D and counter A is same. The first person standing at counter D and A is a female. Number of person at counter B and C is less than counter A. The first person at counter B is a male and he is not married. Only one person stands to the east of R, who is married to Q. Number of person standing at counter B is less than counter C. N is a female and is married to K. P is a male and stands immediately ahead of M who is married to J. More than one person stands on the west of P. Q stands immediately ahead of S, who stands to the west of O, who is a male. L is married to U, who is a female. L stands on the west of T. T is male. The one who stands last at counter A is a female and is not married to K. N does not stand in the same queue with O. V is one of the person standing in the queue. Q is a female. The wife of L does not stand first in the queue.

Q36. 36. Who among the following person stands first at counter B?

(a) N
(b) M
(c) T
(d) L
(e) None of these

Q37. 37. Who among the following is standing at the third position in the queue on counter D?

(a) Q
(b) M
(c) S
(d) Cannot be determined
(e) None of these

Q38. 38. Who among the following is standing behind O in the queue?

(a) K
(b) L
(c) P
(d) No one
(e) None of these

Q39. 39. The wife of K is standing against which of the following counter?

(a) A
(b) B
(c) C
(d) D
(e) Either Counter B or D

Q40. 40. Who among the following is standing to the immediate right of the person standing at the second position in the queue on counter C?

(a) M
(b) J
(c) O
(d) N
(e) None of these

Directions

Direction (41-43): Study the following information carefully and answer the questions:

Clubs (♣), diamonds (♦), hearts (♥) and spades (♠)

A ♥ B means A is to the North of B

A ♣ B means A is to the South of B

A ♠ B means A is to the East of B

A ♦ B means A is to the West of B

There are 3 buses travelling from P to Q.

Bus 1: A 14 ♠ P, B 6 ♥ A, C 10 ♦ B, D 6 ♥ C, Q 4 ♦ D

Bus 2: M 10 ♣ P, N 10 ♦ M, O 6 ♥ N, R 5 ♠ O, S 10 ♥ R, T 5 ♠ S, Q 6 ♥ T

Bus 3: J 12 ♦ P, K 10 ♥ J, L 2 ♠ K, U 5 ♥ L, V 10 ♠ U, Q 3 ♣ V

Q41. 41. What is the distance between U and N?

(a) 20
(b) 15
(c) 14
(d) 25

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(e) None of these

Q42. 42. S is in which direction and distance from B?

(a) 19, East
(b) 19, West
(c) 20, East
(d) 20, West
(e) None of these

Q43. 43. Which of the following lie in a straight line?

(a) SRU
(b) VQT
(c) ONJ
(d) LQD
(e) None of these

Directions

Direction (44-45): In the following question a statement is given followed by two statements numbered as I and II. You have to read all the statements and decide which of the following is the suitable course of action for the mentioned statement above.

Q44. 44. To provide proper education, we need to improve our education system. To improve education system, we need good teachers. To provide good teachers, we again need good education. In India there are some good institutes too but most of the students opt for a job rather than trying the career in teaching field which requires post-graduation as minimum eligibility criteria because they do not get a good salary there.

Course of Action-

(I) The Salary of the teachers should be hiked to encourage them for opting teaching.

(II) The minimum eligibility criterion to be a teacher should be graduate rather than post-graduation and PhD to become a teacher as students can get a job even after graduation.

(a) Only II follows
(b) Only I follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follows

Q45. 45. The cost of treatment and proper health care is unaffordable by the already needy masses.

Course of action:

(I) The treatment for all should be free of cost of every disease.

(II) The government should establish itself in manufacturing and distribution of medical equipment.

(a) Only II follows
(b) Only I follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follows

ANSWER KEY

81	b	82	a	83	c	84	a	85	d	86	d	87	c	88	e	89	a	90	d
91	c	92	d	93	c	94	d	95	b	96	b	97	e	98	a	99	b	100	e
101	d	102	b	103	a	104	e	105	b	106	c	107	b	108	d	109	a	110	b
111	c	112	d	113	a	114	b	115	d	46	a	47	d	48	c	49	a	50	e
51	b	52	c	53	d	54	b	55	c	56	a	57	b	58	e	59	b	60	e
61	e	62	d	63	d	64	b	65	b	66	c	67	a	68	d	69	b	70	b

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71	c	72	b	73	b	74	b	75	e	76	a	77	c	78	d	79	b	80	e
1	d	2	c	3	a	4	a	5	e	6	c	7	a	8	c	9	b	10	e
11	c	12	d	13	d	14	a	15	c	16	e	17	c	18	a	19	c	20	d
21	b	22	d	23	b	24	b	25	a	26	d	27	b	28	a	29	c	30	c
31	c	32	d	33	d	34	d	35	e	36	c	37	c	38	d	39	a	40	e
41	d	42	b	43	b	44	e	45	a										

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