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**Direction (1-5): Read the following passage carefully and answer the questions that follow.**

Beijing now produces almost 15 billion pounds of municipal household waste each year; the landfill at Asuwei receives 7.2 million pounds. In an effort to deal with the growing amount of trash generated by China's expanding middle class and increasingly consumerist society, Beijing and other cities are building huge incinerators—including one close to the landfill in Asuwei. The people are worried; once fully operational, the new incinerator will reportedly burn 6 million pounds of garbage a day. Environmental authorities have said the project passed the required assessments, but the residents are mistrustful, fearing the emissions that will come from the plant. "The environment cannot tolerate it, and our health would be at risk," a lady says. She maintains that everyone in the area is against the incinerator, though only a few—including herself—are taking action, organizing and participating in public protests. She spends a lot of time reading and analyzing reports and environmental assessments, trying to find a way to stop the incinerator from opening. China's leaders appear fearful that the many, small localized bands of discontented citizens will coalesce into a larger movement; it now spends more money on internal security, which includes managing and suppressing these protests, than it does on its military. The unification of what are now disconnected grassroots actions against specific pollution sources into a national environmental movement is perceived as a threat to the rule of the Communist Party. The Internet, used by activists and protesters as a tool for sharing information, is often quickly scrubbed of evidence of any protest actions or criticism of the government. Earlier this year, a documentary film on China's environmental ills received hundreds of millions of hits in just one week before being taken down by government censors, presumably out of fear that it could become China's Silent Spring moment, sparking a nationwide outcry. At the same time, citizens are fearful too—of the rash of toxins that threaten their lives, and of the government that has shown it is willing to punish those who dare complain about the threat. Nevertheless, complaining they are, in increasing numbers and with increasing boldness— and impact.

1. Which of the following best describes the central idea of the passage?
  - a) Growing economy of the country

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1

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- b) Banning of Internet by the Government to stop interaction
  - c) Use of harmful chemicals by the Government plants
  - d) Extension of Government support to the harmful chemical plants
  - e) Ignorance and suppression of the growing environmental threat by the Government
2. Which of the following can be inferred from the passage?
- a) The industrialization process must be stopped in order to protect the environment.
  - b) The Government harasses the people who try to create awareness about the environment and engage in protests.
  - c) The Government is trying its best to curb pollution but it will take time to be effective.
  - d) The Government does not want to harm the citizens but it will take time to cut down on the rate of pollution.
  - e) The Government does not want to create unemployment problems thus cannot close down certain plants.
3. Which of the following is the major issue discussed in the passage?
- a) The Government is supporting the growth of certain chemical plants which should be shut down keeping in mind the environmental issues.
  - b) The Government wants to suppress all the voices which have pointed out the fallacies in the economic policies.
  - c) The Government is treating the waste materials in a deleterious way that threatens the health of people.
  - d) The Government is practising the use of nuclear weapons on the citizens which has caused havoc in places.
  - e) The Government has chosen to stop all efforts for the cause of environmental upgradation.
4. Which of the following can be inferred from the given passage?
- a) The citizens dare not complain against the Government as the number of people protesting is really less.
  - b) The Government has taken some initiatives to curb the pollution but they are not satisfactory.
  - c) The citizens are more concerned about losing their jobs so would not protest much.
  - d) The Government is too powerful to be complained against, hence no efforts are likely to bring about any change.
  - e) The citizens are complaining against all odds which makes it clear that they are

- concerned about the health threats that are lurking.
5. Which of the following can be inferred correctly from the line 'Earlier this year, a documentary film on China's environmental ills received hundreds of millions of hits in just one week'?
- a) Instigating people against the government is on the process.
  - b) The use of Internet is high and any topic can be brought to the notice of the public through Internet.
  - c) The citizens of China are aware of the environmental degradation and have the mindset to protest against it.
  - d) Film making is a powerful force or tool that helps bring forth any issue.
  - e) The environment is seriously deteriorating in the country and is not a made up story.

**Direction (6-7): In the given question, few sentences which are grammatically correct and meaningful are stated. Connect them to form pairs with the given word in the best possible way without changing the intended meaning. Choose the answer accordingly.**

6. WHILE
- a) Point-source pollution enters the environment and the place most affected is usually the area immediately around the source and are often neglected by the government.
  - b) A great deal of water pollution happens not from one single source but from many different scattered sources which is called nonpoint-source pollution and are taken care of.
  - c) We know that pollution is a human problem because it is a relatively recent development in the planet's history: before the 19th century Industrial Revolution, people lived more in harmony with their immediate environment.
  - d) Many initiatives have been taken by local people to reduce pollution and take care of the point sources.
- a) A-B                      b) B-C                      c) C-D  
d) Both A-B and A-D      e) Both A-C and A-D
7. AND
- a) Nightingale came to prominence while serving as a manager of nurses trained by her during the Crimean War.
  - b) Nightingale organised the tending to wounded soldiers in the camps during the war, coming to be known as the 'Lady with the Lamp.'
  - c) Nightingale's social reforms include improving healthcare for all sections of British society, advocating better hunger relief in India.

d) Nightingale helped to abolish prostitution laws that were over-harsh to women.

- a) A-C                      b) A-B                      c) C-D  
d) Both A-C and C-D      e) Both A-B and B-C

**Direction (8-10): In the given question, statements with two blanks are stated. Each blank can be filled with more than one option. Find the combination/s which can most suitably complete the sentence without altering the meaning of the statement.**

8. Economic globalization is the increasing economic \_\_\_\_\_ of national economies across the world through a rapid increase in cross-border movement of goods, services, technology, and capital. Whereas the globalization of business is centred around the \_\_\_\_\_ of international trade regulations as well as tariffs, taxes, and other impediments that suppresses global trade, economic globalization is the process of increasing economic integration between countries, leading to the emergence of a global marketplace or a single world market.

- I. Interdependence  
II. Rivalry  
III. Diminution  
IV. Tyranny  
V. Specious

- a) I-IV                      b) II-III                      c) I-III                      d) III-V                      e) No combination fits

9. Meditation is a practice where an individual operates or trains the mind or \_\_\_\_\_ a mode of consciousness to allow the mind to engage in peaceful thoughts. Meditation has been practised since \_\_\_\_\_ in numerous religious traditions and beliefs. Since the 19th century, it has spread from its Asian origins to Western cultures where it is commonly practised in private and business life.

- I. Conjures  
II. Practices  
III. Induces  
IV. Arcane  
V. Antiquity

- a) I-III                      b) II-IV                      c) II-V                      d) I-V                      e) III-V

10. Some believe that the same technology that has \_\_\_\_\_ our world might also imprison us if we don't seriously examine its effects on us personally and collectively. The impact of cell phone use is more than a passing phenomenon and something worthy of \_\_\_\_\_ academic study. The impact of cell phone is still

debated and various people put forward various opinions.

I. Impacted

II. Liberated

III. Oppressed

IV. Legitimate

V. Comprehensive

a) I-IV

b) II-IV

c) III-V

d) III-IV

e) No combination fits

**Direction (11-15): Read the passage carefully and answer the questions that follow.**

‘When dealing with people, remember you are not dealing with creatures of logic, but with creatures of emotion, creatures with prejudice and motivated by pride and vanity.’ Throughout its history, humankind has been motivated to war, terrorism, ethnic cleansing, genocide, racist hysteria, religious intolerance and extremism, mass suicide and many other forms of irrational and pathological behaviour. The problem arises as Milan Kundera defines it, when we ask that terrible anthropological question – ‘What are people capable of?’ Governments seek to regulate or influence the behaviour of individuals and organisations through a range of policy tools, including legislation, sanctions, regulations, taxes and subsidies, the provision of public services and information and guidance material. There is a growing range of complex policy areas, so-called ‘wicked’ problems, where it has become increasingly clear that government cannot simply ‘deliver’ key policy outcomes to a disengaged and passive public) In the areas of welfare, health, crime, employment, education and the environment, it is clear that achieving significant progress requires the active involvement and cooperation of citizens. Nudge theory(or nudge) is a concept in behavioural science, political theory and economics which proposes positive reinforcement and indirect suggestions to try to achieve non-forced compliance to influence the motives, incentives and decision making of groups and individuals. The claim is that nudges are at least as effective, if not more effective, than direct instruction, legislation, or enforcement. The concept is a relatively subtle policy shift that encourages people to make decisions that are in their broad self-interest. It’s not about penalising people financially if they don’t act in certain way. It’s about making it easier for them to make a certain decision. A good recent example can be found in UK pension policy. In order to increase worryingly low pension saving rates among private sector workers the Government mandated employers to establish an 'automatic enrolment' scheme in 2012.This meant that workers would be automatically placed into a firm’s scheme, and contributions would be deducted from their pay packet, unless they formally requested to be exempted. The theory was that many people actually wanted to put more money aside for retirement but they were put off from doing so by the need to make what they feared would be complicated decisions. The idea was that auto enrolment would make saving the default for

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employees, and thus make it easier for them to do what they really wanted to do and push up savings rates. In many areas of public policy the range of traditional tools to influence behaviour works well. For some social policy problems, however, influencing human behaviour is very difficult and complex, and the effectiveness of traditional approaches may be limited without some additional tools and understanding of how to engage citizens in cooperative behavioural change.

11. Which of the following can be inferred from the first few lines of the passage?
- a) People fail to achieve certain objectives in life because they fail to think logically.
  - b) Politics exists in society because people fail to think with logic.
  - c) Driven by emotions, people involve themselves in terrible activities.
  - d) Dealing with people at times is easier because everyone is of the same kind.
  - e) Since human beings are not logical creatures influencing them has to be through emotions.
12. Which of the following can be inferred about the nudge theory often applied by the governments?
- a) It helps to implement laws which are liked by the people.
  - b) It is perfect in many cases as it brings more participation on the people's part.
  - c) The chances of deceiving the people reduce a lot when using this theory.
  - d) The laws implemented using this theory often bring advantage to the government by misleading the people.
  - e) Financial decisions taken on this basis often become a problem and penalty for the people.
13. Which of the following is TRUE, according to the passage?
- a) The efficacy of the policies on the basis of nudge theory is really low as they involve the minds of a large number of people.
  - b) The success of the policies implemented through this theory is higher than that of the direct policies which are enforced by the Government.
  - c) The decisions taken through this theory are solely people's decisions without anyone's influence.
  - d) The decisions taken through this theory seem to have been people's own decisions but they are actually influenced.
  - e) The evil behind the implementation of nudge theory should be understood.
14. Which of the following best describes the essence of the passage?
- a) Emotions of people exploited by politicians
  - b) Deception of the people by the government using psychological tools.

- c) The implementation of nudge theory and the associated problems.  
d) The influence of politics in people's lives  
e) Advantages of the nudge theory and its implementation in politics.
15. Which of the following was the main advantage of the UK pension policy of 2012?  
a) It made people realize that decisions taken in haste do not yield to good results.  
b) It helped the government to invest more on infrastructure and planning activities of an organization.  
c) It encouraged people to save more money for their future without any fear or hesitation.  
d) It helped the people to have a huge amount of money with higher interest rates.  
e) It made people take complicated decisions and made the passive people think.
16. Direction: In the given question, four words are given of which two are most nearly the same or opposite in meaning. Find the two words and indicate your answer by marking the option which represents the correct combination.  
a) Tormented  
b) Agonised  
c) Aroused  
d) Removed  
a) A – C      b) A – B      c) A – D      d) C – D      e) B – C
17. Direction: In the given question, four words are given of which two are most nearly the same or opposite in meaning. Find the two words and indicate your answer by marking the option which represents the correct combination.  
a) Fathomed  
b) Devastated  
c) Ruined  
d) Abrupt  
a) B – D      b) B – C      c) C – D      d) A – C      e) A – D
18. Direction: In the given question, four words are given of which two are most nearly the same or opposite in meaning. Find the two words and indicate your answer by marking the option which represents the correct combination.  
a) Consent  
b) Nascent  
c) Emerging

d) Insecure

a) A – C      b) B – D      c) B – C      d) A – D      e) A – B

19. Direction: In the given question, four words are given of which two are most nearly the same or opposite in meaning. Find the two words and indicate your answer by marking the option which represents the correct combination.

a) Abundance

b) Incomparable

c) Projection

d) Plethora

a) A – C      b) A – B      c) C – D      d) B – D      e) A – D

**Direction(20-22): Read the five given statements carefully and answer the questions that follow.**

I. Increased prosperity oftentimes leads to trouble, for it creates expectations of power and status to go with it

II. The problem was that the middle class artisans and farmers had little or no social status or political power to go with the expectation to fight in the phalanx.

III. In many, usually the more commercial poleis such as Corinth, Megara, and Athens, some disgruntled and ambitious nobles used the frustrated middle class to seize power from the ruling aristocracy.

IV. In order to maintain his popularity, the tyrant protected peoples' rights with a written law code, literally carved in stone, confiscated the lands of the nobles he had driven from power and redistributed them among the poor and provided jobs through building projects.

V. However, the increased prosperity brought on by the tyrants only gave the people a taste for more of the same.

20. Which of the following statements can follow statement V?

a) In the more agricultural poleis, the farmer- hoplites seem to have taken control more peacefully.

b) This ethos of equality discouraged the accumulation of large fortunes and encouraged the rich to donate their services and wealth to the polis

c) By the second or third generation, tyrants could not or would not meet those growing demands, and people grew resentful.

d) Since it was the farmers who both declared war and fought it for the polis, they made sure that it was short and decisive so it would not disrupt their agricultural work or damage their crops.



e) Eventually, this feedback of resentment and repression would lead to a revolution to replace the tyrants with a limited democracy.

21. Which of the following statements fits between II and III?
- a) Thus the sixth century b) c) e) saw a flourishing of Greek culture in such areas as architecture, sculpture, and poetry.
  - b) Their frustration in more commercial poleis played itself out somewhat differently than in the more agricultural poleis, but ultimately with the same basic result.
  - c) Pheidon, the ruler of Argos, was the first to use the new hoplite phalanx against Sparta, defeating it in the process.
  - d) Such is the fuel of revolutions, and ancient Greece was no exception.
  - e) People who have virtually nothing expect nothing more.
22. Which of the following statements can replace statement III?
- a) Being a very significant era the actions and policies had an everlasting effect on the society.
  - b) Revolts broke out in small parts and it had to be subdued by the aristocracies.
  - c) It was a period of social unrest and chaos and commotion characterized the era.
  - d) Thus came the end of the era of aristocracies.
  - e) The situation was utilized by the nobles and with the help of the middle class they rose to powerful positions overthrowing the aristocracies.
23. Which of the following structures of the given words best represents a grammatically and meaningfully coherent sentence?  
Purposes related to one's business specific and it also promotes is essential for greater staff training job satisfaction.
- a) For specific purposes related to staff training and one's business also promotes greater job satisfaction it is essential.
  - b) Greater job satisfaction for specific purpose is essential to one's business and it also promotes related staff training.
  - c) Staff training is essential for specific purposes related to one's business and it also promotes greater job satisfaction.
  - d) Related staff training to one's business for specific purposes also promotes and it is essential for greater job satisfaction.
  - e) Specific and greater job satisfaction purposes related to one's business is for essential greater purposes training staff.
24. Direction: Arrange the given sentences sequentially to form a grammatically

correct and coherent sentence.

The outcome of World War II had a greater extent than World War I and seemed to merely plant the seeds for another great power conflict. The battle lines were drawn when the Soviet Union created an Iron Curtain stretching across most of Central and Eastern Europe.

- a) The outcome of World War II had a greater extent than World War I and seemed to merely plant the seeds for another great power conflict when the battle lines were drawn when the Soviet Union created an Iron Curtain stretching across most of Central and Eastern Europe.
- b) As the outcome of World War II had a greater extent than World War I and seemed to merely plant the seeds for another great power conflict the battle lines were drawn when the Soviet Union created an Iron Curtain stretching across most of Central and Eastern Europe.
- c) The outcome of World War II had a greater extent than World War I and seemed to merely plant the seeds for another great power conflict as the battle lines were drawn when the Soviet Union created an Iron Curtain stretching across most of Central and Eastern Europe.
- d) When the outcome of World War II had a greater extent than World War I and seemed to merely plant the seeds for another great power conflict, the battle lines were drawn when the Soviet Union created an Iron Curtain stretching across most of Central and Eastern Europe.
- e) None of these

25. **Direction:** In the given sentence, some parts are printed in bold while some are not. The parts printed in bold are correct and need no improvement. The parts which are not printed in bold may or may not be correct. Choose the part which is incorrect and needs improvement.

China will either shut down or **curtail operations at** dozens of steel plants from November 2017, over the next five months for an aggressive action plan **to reduce winter pollution** in Beijing and its surrounding areas.

- a) will either shut down
- b) **curtail operations at** dozens of
- c) for an aggressive action plan
- d) plan **to reduce winter pollution** in
- e) Beijing and its surrounding areas.

26. **Direction:** In the given sentence, some parts are printed in bold while some are not. The parts printed in bold are correct and need no improvement. The parts which are not printed in bold may or may not be correct. Choose the part which is incorrect and needs improvement.

A **ban came into effect on** 1 June 2008 that prohibits all supermarkets, department stores and shops throughout Kenya **from giving out free plastic bags**, therefore encouraging people to use cloth bags as during the ancient times.

- a) **A ban came into effect on**
- b) that prohibits all supermarkets, department stores
- c) and shops throughout Kenya
- d) **from giving out free plastic bags**, therefore encouraging
- e) to use cloth bags as during the ancient times

27. **Direction:** In the given sentence, some parts are printed in bold while some are not. The parts printed in bold are correct and need no improvement. The parts which are not printed in bold may or may not be correct. Choose the part which is incorrect and needs improvement.

Safety officials **have been moving from province to province** shutting down factories as well as electricity and gas as they inspect the factories for meeting **emissions requirement that has** resulted in late and missed orders, increased costs, and could ultimately resulting in higher prices on US shelves.

- a) Safety officials **have been moving from**
- b) shutting down factories as well as electricity and gas
- c) for meeting **emissions requirement that has** resulted
- d) increased costs, and could ultimately
- e) resulting in higher prices on US shelves.

28. **Direction:** Five statements are given at A, B, C, D and e) Among these, four statements are in a logical order and form a coherent paragraph/passage. From the given options, choose the option that does not fit into the theme of the passage.

- a) Maharashtra's Vidarbha region has faced an immense developmental backlog and an acute agrarian crisis that has led to nearly 14,000 suicides of farmers in the last 16 years.
- b) Since July this year, it is facing another kind of disaster with farm laborers and small farmers being hospitalized for symptoms of pesticide poisoning.
- c) Considering the public outrage over farmer suicides and the state of agriculture, both the state and central governments ought to be extra vigilant about such occurrences.
- d) One of the main reasons for the intense spraying of pesticide for cotton pests in July this year is explained by the findings of the CICR.
- e) Pesticide dealers are central players and are not shy to promote and sell toxic pesticides to illiterate farmers.

**Direction (29-35):** In the following passage, there are blanks each of which has been numbered. These numbers correspond to the question numbers; against each question, five options with two words in each have been suggested (both the words should fit the given blank).

In good economic times as well as in bad, financial (###Q29###) can always strike. And when it does, people might have to (###Q30###) on housing, which is typically the largest household expense. However, cutting housing costs involves hard (###Q31###)\_\_: moving can be expensive and (###Q32###) , and living with family, friends, or strangers (###Q33###) . Twice as many people would prefer downsizing than the next most popular actions of renting out part of their home to a roommate or housemate or moving to a more (###Q34###) neighbourhood. Far fewer people would take the more (###Q35###) of living in their car or not paying the rent or mortgage.

29. Find the appropriate word in each case.  
a) Hardship, turnover      b) Nettle, background      c) Deprivation, hardship  
d) Goad, Expense      e) Background, expense
30. Find the appropriate word in each case.  
a) Call on, Eliminate  
b) Cut back, make a reduction  
c) Cut back, Decide  
d) Make a reduction, Decide  
e) Eliminate, Decide
31. Find the appropriate word in each case.  
a) Halcyon, compromises      b) Halcyon, decisions      c) Rattle, halcyon  
d) Tradeoffs, compromises      e) Steps, decisions
32. Find the appropriate word in each case.  
a) A hassle, a nuisance  
b) Hasidic, a nuisance  
c) A harassment, an objective  
d) An objective, Hasidic  
e) A hassle, a freight
33. Find the appropriate word in each case.  
a) Is not easy, is often zealous  
b) Is often zealous, can cause disputes

- c) Brings out negativities, can cause disputes  
d) Can be a challenge, can cause discomfort  
e) Can be dangerous, is often zealous
34. Find the appropriate word in each case.  
a) Jejune, Affordable  
b) Priced, Insidious  
c) Jejune, Insidious  
d) Bolster, priced  
e) Affordable, reasonably priced
35. Find the appropriate word in each case.  
a) Severity, mundane steps  
b) Abstinence actions, drastic steps  
c) Radical actions, drastic steps  
d) Severity, aberration  
e) Abrasion, Mundane steps
36. Direction: Find the wrong term in the series-  
8.4, 8.2, 8.6, 7.8, 9.4, 6.4, 12.6  
a) 8.2      b) 7.8      c) 6.4      d) 12.6      e) 9.4
37. Direction: Find the wrong term in the series  
2, 3, 8, 27, 112, 570, 3396  
a) 3      b) 570      c) 3396      d) 8      e) 112
38. Direction: Find the wrong term in the series  
602, 598, 591, 563, 498, 372, 155  
a) 155      b) 591      c) 498      d) 598      e) 372
39. Direction: Find the wrong term in the series  
7, 4, 5, 9, 21, 52.5, 160.5  
a) 52.5      b) 21      c) 5      d) 9      e) 4
40. Direction: Find the wrong term in the series  
130, 60, 34, 18, 10, 6, 4  
a) 60      b) 18      c) 6      d) 10      e) 4

**Direction (41-45): Study the information given below and answer the questions based on it.**

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13

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The table shows online and offline contestants taking part in a survey from four villages and total contestants who have not completed the survey (online and offline)

Note 1: Total contestants in a village=Online contestants + Offline contestants

Note 2: Total contestants in a village=Contestants who complete the survey + contestants who do not complete the survey

Village	Online contestants	Offline contestants	Contestants who do not complete the survey (online + offline)
A	486	46%	92
B	336	52%	108
C	480	40%	76
D	455	30%	128
E	216	55%	84

41. In village A, if the number of online contestants and offline contestants who didn't complete the survey are equal, the online contestants from village A who completed the survey are what percent (approximate) more than offline contestants who completed the survey from the same village?  
a) 15%      b) 25%      c) 12%      d) 20%      e) 32%
42. Total number of contestants from village C who completed the survey are how much more or less than total number of contestants who completed the survey from village B?  
a) 240      b) 132      c) 152      d) 212      e) 158
43. If ratio of online & offline contestants who didn't completed the survey in village 'D' is 5:3 and 40% of online contestants who completed the survey are male and 25% of offline contestants who completed the survey are female, the find the difference between females of online contestants who completed the survey and males of offline contestants who completed the survey?  
a) 105      b) 85      c) 112      d) 86      e) 212
44. Find the difference between the number of offline contestants of village C to village E?  
a) 68      b) 72      c) 46      d) 58      e) 56
45. The number of offline and online contestants together who completed the survey from village A are approximately what percent of total participants on survey from village D?

- a) 110%      b) 135%      c) 55%      d) 59%      e) 98%

46. The question given below is followed by some statements. Read the question carefully and determine which of the given statements is/are necessary/required to answer the question. In a school, 60% of boys and 40% of girls participated in a sports. How many boys are there in the school?
- I. More than 300 boys are there. 120 girls participated in the sports.  
II. The number of girls is there in the school is 25% more than the number of boys is participated in the sports.
- a) 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) 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) the data either in statement I alone or in statement II alone are sufficient to answer the question.  
d) the data in both the statements I and II together are not sufficient to answer the question.  
e) the data in both the statements I and II together are necessary to answer the question.
47. Direction: The following question consists of few statements along with it. You have to determine which of the following statement/statements are necessary to answer the question.
- A box contains 10 tube lights, fewer than half of which are defective. Two tube lights are to be drawn simultaneously from the box. If  $n$  of the lights in the box are defective, what is the value of  $n$ ?
- I. The probability that the two tube lights to be drawn will be defective is  $1/15$ .  
II. The probability that one of the tube lights to be drawn will be defective and the other will not be defective is  $7/15$ .
- a) Only statement I is sufficient  
b) Only statement II is sufficient  
c) Both statement I and II are sufficient  
d) Statement I or statement II alone is sufficient  
e) Neither statement I nor statement II is sufficient
48. Directions: Each of the question given below consist of a question and two statements I & II. Read the statements and decide which of the statement(s) are necessary and sufficient to answer the given question.
- The total profit% earned in an year when simple interest on 20% of a principal is added to the compound interest taken annually on the remaining part for 2

years?

Statement I: Rates of both interests are 5% & 10% respectively.

Statement II: Profit earned in S.I is Rs.1500.

- a) The data in Statement I alone, is sufficient to answer the question, while the data in Statement II alone, is not sufficient to answer the question.
- b) The data in Statement II alone, is sufficient to answer the question, while the data in Statement I alone, is not sufficient to answer the question.
- c) The data either in Statement I or in Statement II alone, is sufficient to answer the given question.
- d) The data given in Statement I and II together, is not sufficient to answer the question.
- e) The data in both Statement I and II together, is necessary to answer the question.

49. Direction: Each of the question given below consist of a question and two statements numbered I and II given below it. Read both the statements and decide whether the data provided in the statement(s) are sufficient to answer the given question.

Sum of two, 2-digit positive numbers (given that the numbers are formed by reversing (swapping) their own digits) is equal to?

Statement I: Sum of the two digits is 13. Statement II: Difference of the two digits is 5 while product of digits is 24.

- a) Data in Statement I alone, is sufficient to answer the question, while the data in Statement II alone, is not sufficient to answer the question.
- b) Data in Statement II alone, is sufficient to answer the question, while the data in Statement I alone, is not sufficient to answer the question.
- c) Data either in Statement I or in Statement II alone, is sufficient to answer the given question.
- d) Data even in Statement I and II together, is not sufficient to answer the question.
- e) Data in both Statement I and II together, is necessary to answer the question.

50. Direction: Each of the question given below consist of a question and two statements numbered I and II given below it. Read both the statements and decide whether the data provided in the statement(s) are sufficient to answer the given question.

Difference of c) I. and S.I., when calculated independently on a principal amount of ₹15000, yearly, for an year?

Statement I: Difference of rate of interest between c) I. and S.I. is 3.8%

Statement II: Ratio of rate of interest for C.I. and S.I. is 3 : 8

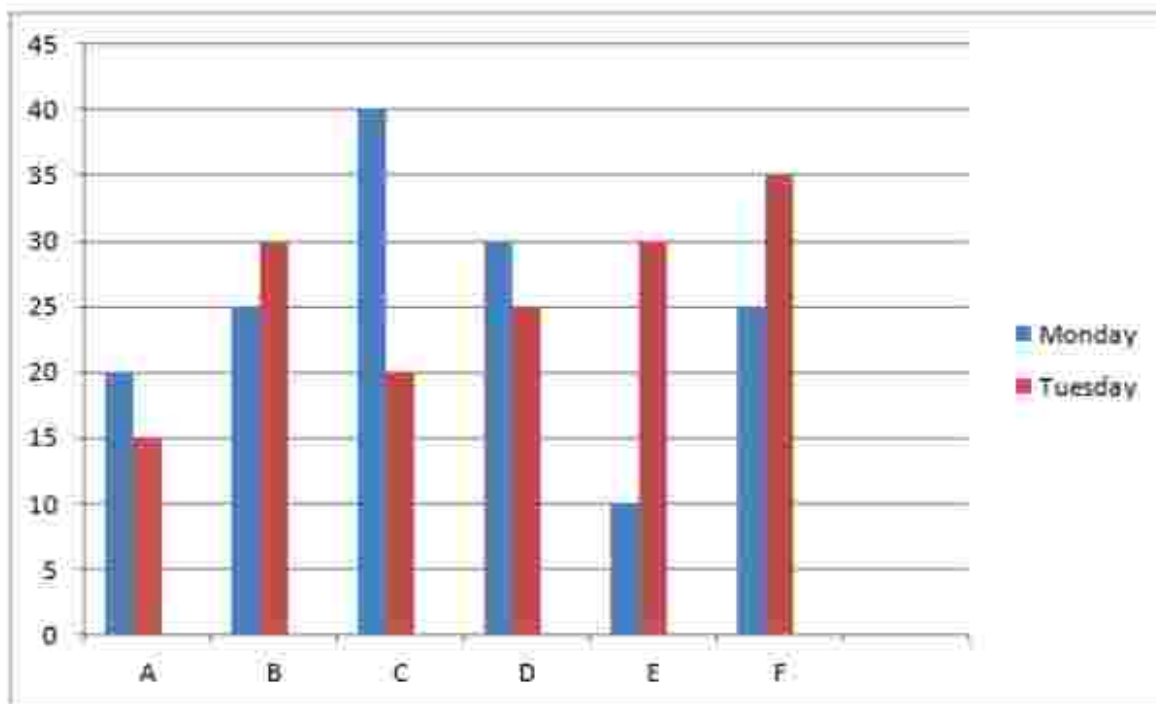


- a) Data in Statement I alone, is sufficient to answer the question, while the data in Statement II alone, is not sufficient to answer the question.
- b) Data in Statement II alone, is sufficient to answer the question, while the data in Statement I alone, is not sufficient to answer the question.
- c) Data either in Statement I or in Statement II alone, is sufficient to answer the given question.
- d) Data even in Statement I and II together, is not sufficient to answer the question.
- e) Data in both Statement I and II together, is necessary to answer the question.

**Direction (51-55): Study the information given below and answer the questions based on it.**

The bar chart shows the discount percentage allowed on six different articles on two different days of the week i.e. Monday and Tuesday. The table provides us with the marked price of different articles. Some of the data are missing for the table.

**Note: The cost price and the marked price of the articles on both days are the same.**



Article	Marked Price
A	---
B	1500
C	1400
D	---
E	1200
F	---

51. If the difference in selling price of the article F on both the days is Rs. 100, then find the cost price of the same article if the profit obtained on Monday through F is 25%?  
a) 500      b) 600      c) 700      d) 800      e) 750
52. If the profit on article D on Tuesday and that of article A on Tuesday is 20% and 27.5% respectively. Then find the ratio of cost price of article D and article A, if marked price of A is  $\frac{3}{4}$ th of the marked price of article D?  
a) 5:6      b) 4:5      c) 5:4      d) 3:5      e) 5:8
53. Total selling price of article A on Tuesday and article E on Monday is 1590. Then find the profit of article C on Monday, if the cost price of article C is  $\frac{5}{4}$  of the marked price of article A?  
a) 110      b) 80      c) 250      d) 90      e) 125
54. What is the sum of the selling prices of article B on Monday, article C and article E on Tuesday?  
a) 3100      b) 2165      c) 3085      d) 2750      e) 1790
55. If the total cost price of article B and article D is 1500. Then find the cost price of article D, if the profit of article B on Tuesday is 5%?  
a) 700      b) 600      c) 800      d) 550      e) 500

**Direction (56-60): Study the information given below and answer the questions based on it.**

There are three highways i.e. Highways A, Highways B and Highways C, Some numbers of vehicles on these highways on different days i.e. Friday, Saturday and Sunday. On

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each day some numbers of vehicles pass on these three highways.

Friday: The number of vehicles on highway B is one third of the highway B of Saturday. The number of vehicles on highway C is  $\frac{3}{4}$ th of highway C of Saturday. The number of vehicle on highway A and C is same.

Saturday: Total number of vehicle of Saturday is 75000. The number of vehicles on highway B is 15000 less than that of highway A & C together. The number of vehicles on highway A is  $\frac{5}{6}$ th of highway A of Sunday.

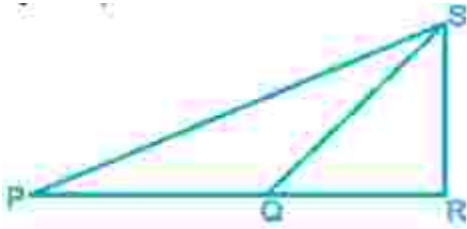
Sunday: Total number of vehicles of Sunday is  $\frac{4}{5}$ th of Saturday. The number of vehicle of highway A is equal to highway B of Saturday. The number of vehicles on highway C is same on Saturday and Sunday.

56. What is total number of vehicles on Friday?  
a) 45000    b) 40000    c) 50000    d) 55000    e) 48000
57. What is the total number of vehicles on Highway A of three days?  
a) 75000    b) 65000    c) 60000    d) 70000    e) 80000
58. What is the total average number of vehicles on Sunday?  
a) 15000    b) 20000    c) 25000    d) 10000    e) 12000
59. What is difference between the vehicles on highway A of Saturday and highway C of Friday?  
a) 5000    b) 15000    c) 10000    d) 20000    e) 8000
60. The number of vehicles on highway B on Friday is approximately what percent of total vehicles on Sunday?  
a) 15%    b) 18%    c) 12%    d) 17%    e) 21%

**Direction (61-65):** Given question is followed by information given in two statements named as Quantity 1 and Quantity 2. You have to study the information along with the question and compare the value derived from Quantity 1 and Quantity 2 then answer the question.

61. Given,  $A+B=11$  and  $A^2 + B^2=73$ .  
Quantity 1:  $A^3 + B^3$   
Quantity 2: 539  
a) Quantity 1 > Quantity 2  
b) Quantity 1 < Quantity 2  
c) Quantity 1 > Quantity 2  
d) Quantity 1 < Quantity 2

- e) Quantity 1 = Quantity 2 or No relation
62. Given,  $m^4 = 1/625$  and  $m^3 < m^2$ .  
Quantity 1: Value of m  
Quantity 2: 0  
a) Quantity 1 > Quantity 2  
b) Quantity 1 < Quantity 2  
c) Quantity 1 > Quantity 2  
d) Quantity 1 < Quantity 2  
e) Quantity 1 = Quantity 2 or No relation
63. There are 63 cards in a box numbered from 01 to 63. Every card is numbered with only 1 number.  
Quantity 1: Probability of picking up a card whose digits, if interchanged, result in a number which is 36 more than the number picked up.  
Quantity 2: Probability of picking up a card, the number printed on which is a multiple of 8 but not that of 16.  
a) Quantity 1 < Quantity 2  
b) Quantity 2 < Quantity 1  
c) Quantity 1 = Quantity 2  
d) Can't establish a relation  
e) None of the above
64. Meera walked to school at a speed of 3 miles per hour. Once she reached the school, she realized that she forgot to bring her books, so rushed back home at a speed of 6 miles per hour. She then walked back to school at a speed of 4 miles per hour. All the times, she walked in the same route.  
Quantity I: Her average speed over the entire journey.  
Quantity II: 4 mph  
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 can be established
65. If  $PQ = QS$ ,  $QR = RS$  and  $\angle PRS = 104^\circ$



Quantity A: The measure in the degree, of  $\angle QPS$ ?

Quantity B: Degree values  $20^\circ, 19^\circ$

- a) Quantity A < Quantity B  
 b) Quantity A > Quantity B  
 c) Quantity A  $\leq$  Quantity B  
 d) Quantity A  $\geq$  Quantity B  
 e) Quantity A = Quantity B or no relation
66. B is 200% efficient than A and 50% efficient than C, If all of them work together for 2 days to complete the work, then in how many days A alone can complete the work?  
 a) 10 days    b) 12 Days    c) 4 days    d) 6 days    e) 8 days
67. The sum of ages of A, B and C is 81 years. One year before the ratio of ages of A&B was 1:2. One year before the ratio of ages of B&C was 4:7. So find the age of B after 6 years?  
 a) 33 years    b) 35 years    c) 42 years    d) 31 years    e) 29 years
68. If the sum of circumference of a circle and the circumference of a semicircle of same radius (R) is 400cm. Then find the radius of another circle whose radius is 200% more than R?  
 a) 75cm    b) 105cm    c) 63cm    d) 48cm    e) 42cm
69. There are two vessels A&B having quantities milk and water. The ratio of quantity in vessel is 6:7 and both of them having equal quantity of water. The quantity of pure milk in vessel A and B respectively 40L and 50L. Now these two vessels A and B quantities put in another vessel C, Find the ratio of milk and water in vessel C?  
 a) 9:4    b) 3:4    c) 5:6    d) 7:5    e) 8:11
70. A shopkeeper buys a watch and a speaker for a total of Rs.1600. He sells the watch at 30% profit and the speaker at a profit of 20% after offering a discount of 20% on the marked price for speaker. If his total profit is 25.625%, how much more profit he would have obtained, had he sold the speaker at its marked price?

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- a) Rs.225    b) Rs.180    c) Rs.210    d) Rs.216    e) None of these

**Directions (71-72): Read the following carefully and answer the questions that follow.**

"But mothers changed Maggi's destiny, not the hungry kids, as advertised. The shortest chow mien or hakka noodles recipes available in cooking books would take at least half an hour to make."

These questions are based on the information given above and the sentences labelled (A), (B), (C), (D), (e) and (F) as given below.

A) Hungry kids were fed up of Maggi made by their mothers and hence the popularity of the snack increased.

B) Maggi was quicker and easier to prepare compared to other hakka or chowmein noodles available in the market.

C) Maggi would take less than half an hour to make.

D) Mothers across the country trusted Maggi because of its seemingly innocuous nature and the children's delight on tasting the snack.

E) Maggi was banned, making it a snack that was highly desirable.

F) Children would take Maggi to schools as lunch although it became sticky on long storage.

71. Which of the statement numbered (A), (B), (C), (D), (E) and (F) has been assumed in the facts/information given in the statement? (An assumption is something supposed or taken for granted.)

- a) Only F    b) Only A    c) C, D and E    d) Both B and C    e) None of these

72. Which of the statement numbered (A), (B), (C), (D), (e) and (F), if true could strengthen the statement?

- a) Only F    b) D and F    c) Only D  
d) All of the above    e) None of the above

73. Directions: Questions in the form of inference/conclusions are based on the passages given below. The passage is followed by five inferences. You are required to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity. The British people have spoken. The prime minister has resigned. Already, the consequences of what the voters said and why they said it have begun to reshape Britain's future in profound and potentially dangerous ways. The country has embarked on a perilous journey in which our politics and our economy must be transformed. The vote to leave the EU will challenge not only the government and politicians but all of us whose opinions have been rejected.

Britain's place in the world must now be rethought. That will demand the kind of debate about our alliances that we have not had since the Suez crisis forced a post-imperial reality on Britain. Once again, the country's very idea of itself will have to be reimagined too. The deep strains on the nation's fabric that are partly expressed as a pro-European Scotland, Northern Ireland – and London – and an anti-European England and Wales must be urgently addressed. And a new relationship with a Europe that is in no mood to be generous must be negotiated. As a gleeful Nigel Farage pointed out early on Friday, there are also already voices from the populist right in Denmark, France and the Netherlands arguing for their own definitive vote. And while the Bank of England successfully steadied the City after dramatic early falls in the value of shares and a tumbling pound, these things will take careful management if they are not to translate into a new crunch on the banks, a recession or even – as George Soros warned earlier in the week – a sudden inability to finance the balance of payments.

The future of the United Kingdom will now be gravely affected because of recent events.

- a) The inference is definitely true, i.e., it properly follows from the statement of facts given.
- b) The inference is probably true though not definitely true in the light of the facts given.
- c) The data are inadequate i.e., from the facts given you cannot say whether the inference is likely to be true or false.
- d) The inference is probably false though not definitely false in the light of the facts given.
- e) The inference is definitely false i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

**Direction (74-78): Study the following information to answer the given questions.**

Eight people are sitting in two parallel rows containing four people each, in such a way that there is an equal distance between adjacent persons. In row 1 A, B, C and D are seated (but not necessarily in the same order) and all of them are facing south. In row 2 P, Q, R and S are seated (but not necessarily in the same order) 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. R sits second to the left of the person who faces a) S is an immediate neighbour of R. Only one person sits between A and d) One of the immediate neighbours of C faces Q. B does not sit at any of the extreme ends of the line.

74. Who amongst the following sits second to the right of the person who faces P?

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- a) A            b) B            c) C            d) D            e) Cannot be determined
75. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group. Which is the one that does not belong to that group?  
 a) C            b) R            c) Q            d) P            e) D
76. Which of the following is true regarding C?  
 a) C sits second to the right of D.  
 b) A sits on the immediate right of c)  
 c) S. faces c)  
 d) D is an immediate neighbour of c)  
 e) The person who faces C is an immediate neighbour of R.
77. Who amongst the following faces R?  
 a) A            b) B            c) C            d) D            e) Cannot be determined
78. Who amongst the following faces B?  
 a) P            b) Q            c) R            d) S            e) Cannot be determined

**Directions (79-83): Study the following information and answer:**

Eight persons A, B, C, D, E, F, G and H sit on the line and all of them face north direction but not necessarily in same order. All of them like different color viz. Red, Green, Blue, Yellow, Orange, White, Black and Violet but not necessarily in same order. The one who likes Blue color sits second to right of one who likes Green color. C likes orange color. A sits fourth to left of person who stays likes Violet color. D sits not adjacent to H. Neither A nor the person who likes Violet color sit on the extreme end of the line. B sits third to left of F. There is only one person sits between the G, who likes Red color and the person who likes Violet color. There are two persons sit between G and the one who likes Black color. H sits immediate left of one who likes Black color. There are two persons sit between G and the one who likes Black color. H sits immediate left of one who likes Black color. There are two persons sit between H and F, who likes white color.

79. How many persons sit between A and B?  
 a) One        b) Two        c) Three        d) Four        e) None
80. D likes which of the following color?  
 a) Green        b) Yellow        c) Black        d) Blue        e) None of these
81. Who among the following sits third to right of G?

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- a) D
- b) The one who likes Violet color
- c) The one who likes Black color
- d) A
- e) B

82. E likes which color?

- a) Blue      b) Green      c) Red      d) Black      e) None of these

83. Who among the following sits immediate left of the person who likes White color?

- a) D
- b) G
- c) D
- d) The one who likes Orange color
- e) None of these

**Direction (84-87): Read the questions carefully and answer the following questions.**

P@Q: P is to the west of Q; P is either 2 or 12 km west of Q.

P#Q: P is to the east of Q; P is either 2 or 12 km east of Q.

P\$Q: P is to the North of Q; P is either 5 or 9 km north of Q.

P&Q: P is to the south of Q; P is either 5 or 9 km south of Q.

P@\$Q: P is to the north west of point Q. (Note: Distance between P and Q is not known).

P&#Q: P is to the south east of Point Q. (Note: Distance between P and Q is not known).

84. P@Q, R#Q, Q\$R. If the distance between P and R is 13 find the distance between Q and R?

- a) 12      b) 2      c) 5      d) 9      e) None of these

85. U @Q, U\$T, T#S, R#T, which of the following cannot be the distance between S and R?

- a) 14      b) 24      c) 4      d) 16      e) None of these

86. S@\$T, T@Z, X&Z; X is in which direction with respect to S?

- a) North east      b) South east      c) South west
- d) North west      e) None of these

87. S&#T, T#Q, R@\$Q; What is the position of R with respect to S?

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a) North east  
d) South

b) North west  
e) South west

c) North

**Direction (88-90): Read the questions carefully and answer the following questions.**

More than 10 people were sitting in a circular row facing the centre. R is 3rd to the left of L. 2 People are sitting between S and R. P is 2nd to the right of Q. 1 people sitting between L and Q. Less than 2 people are sitting between S and P.

88. How many people are sitting in the circular arrangement?

a) 14                      b) 16                      c) 12                      d) 18                      e) None of these

89. What is the position L with respect to P?

a) Third to the left                      b) Third to the right                      c) Fourth to the left  
d) Fifth to the right                      e) None of these

90. 3 How many people are sitting between R and P in anti-clockwise direction?

a) 3                      b) 4                      c) 5                      d) 6                      e) 7

**Direction (91-94): Study the information given below and answer the questions based on it.**

There are 2 circles, inner circle and outer circle and a square. At first, eight persons A, B, C, D, E, F, G and H are sitting in inner circle and facing the centre. B is 2nd to the left of c) A sits opposite to b) One person sits between A and H. Two persons sit between H and G. G is not neighbor of a) D is 2nd to the left of G. F is not neighbor of H.

Now, one seated, there is a pack of 52 cards in front of them and some of them will pick one card at random and will change his/her position as per below instructions-

- 1) In case, the person who had drawn a card of hearts, he/she will move out to outer circle facing inside at the same position in which he was seated in inner circle.
- 2) In case, the person who had drawn a card of spade, he/she will remain at the same position, same inner circle but will change his face to outside the circle.
- 3) In case, the person who had drawn a card of club, he/she will move out to outer circle to the position 2nd to the left of his previous position facing inside.
- 4) In case, the person who had drawn a card of diamond, he/she will move out to the square table at corner no.1, 2nd person to drawn a diamond card will move to corner no. 2 and so on.

Now, here's how they pick cards-

- 1) E picks a card and found it an ACE of hearts.
- 2) C picks a card and found it a 4 of club.

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26

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- 3) H picks a card and found it a king of diamond.
- 4) B picks a card and found it a queen of spade.
- 5) D picks a card and found it a jack of diamond.
- 6) F picks a card and found it a 7 of club.

91. After all the 6 cards are drawn, how many are seated in inner circle?  
a) 0            b) 1            c) 2            d) 3            e) 4

92. How many persons between E and F?  
a) None, as they are in different circle.    b) 1            c) 2  
d) 3    e) 4

93. If A picks a card and found it to be a queen of diamond, now after this arrangement who is seated 2nd to the left of H?  
a) A            b) D            c) E            d) None            e) F

94. If G picks a card of club and found it to be a king of club then who is immediate neighbor of G?  
a) E            b) C            c) None            d) F            e) A

**Direction (95-98): Read the following information and answer the questions.**

A cricket match has to be organized in two areas – Rajnagar and Mirgarh. There are four batsmen- A, B, C and D where D is a Keeper batsman and there are five bowlers- P, Q, R, S and T where P is a special keeper and S is the only spinner among them. Selection of players has to be decided by following conditions.

Prize Money of Players:-

A- 10 lakhs            P- 9 lakhs

B- 9 lakhs            Q – 7lakhs

C- 8 lakhs            R- 8 lakhs

D- 7 lakhs            S – 10lakhs

T – 6 lakhs

- 1) There should always be a keeper behind the wickets.
- 2) The budget of Rajnagar is not more than 55 lakhs and the budget of Mirgarh is not

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more than 60 lakhs.

3) The pitch of Rajnagar supports fast bowlers so all fast bowlers must play in this match and wicket falls too quickly so more than two batsmen are required.

4) The spinner must play in the team of Mirgarh and more than two batsmen and at least two bowlers are playing in this team.

5) Those players who do not play in the first match must play in the second match.

6) The match rules are unconventional and number of players may vary in each match.

95. Who among the following must play in the match of Rajnagar?

- a) D and P    b) B and S    c) D and P    d) D and T    e) None of these

96. P must play with which player?

- a) B            b) D            c) R            d) T            e) S

97. If budget of Rajnagar lowers down to 45 lakhs, then which of the following player is not playing in this match?

- a) Q            b) R            c) D            d) A            e) B

98. If all the batsmen must include in team of Mirgarh, then which of the following player will not play for this team?

- a) Q            b) R            c) T            d) S            e) None of these

99. Direction: In each of the following question, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statement may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

I. The standard of living in the Indian setup has seen a sharp rise along with a marked increase in consumer spending over the past few years.

II. The gross domestic income has seen a fluctuation in the past few years which might not bode well for the Indian economy at large.

- a) Statement 1 is a cause and statement 2 is an effect.  
b) Statement II is the cause and statement I is its effect.  
c) Both the statements I and II are independent causes.  
d) Both the statements I and II are effects of independent causes.  
e) Both the statements I and II are effects of some common cause.

100. Statement : From Cochin to Shimla, the new culture vultures are tearing down

acres of India's architectural treasures. Ancestral owners are often fobbed off with a few hundred rupees for an exquisitely carved door or window, which fetches fifty times that much from foreign dealers and yet more from the drawing room sophisticates of Europe and the US . The reason for such shameless rape of the Indian architectural wealth can perhaps, not wrongly, be attributed to the unfortunate blend of activist disunity and the local indifference.

It can be inferred from the passage that

- a) India provides a rich market for unscrupulous antique dealers.
- b) Only Indians are not proud of their cultural heritage and are hungry for the foreign currency that is easily available in return of artifacts.
- c) Most families have heirlooms which can be sold at high prices to Europeans and Americans.
- d) The environment created by the meeting between activist disunity and local indifference is ideal for antique dealers to thrive in India.
- e) None of these

101. Direction: In each question below is given a statement followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement. Decide which of the suggested courses of action logically follow(s) for pursuing. Give answer:  
Statement: Financial Stringency has prevented a Company from paying salaries to its employees since April this year.

Course of action

I. The company should immediately seek consultation from a Consultancy Firm to give them a solution to curb this Financial Crisis.

II. The company should reduce wasteful expenditure and arrange to pay salaries for its employees.

- a) If only course of action I follows
  - b) If only course of action II follows
  - c) If both I and II follow
  - d) If neither I nor II follows
  - e) If either I or II follows
102. The Election Commission's decision to deploy the Voter Verifiable Paper Audit Trail system for all the constituencies in the Gujarat Assembly elections is questionable. This will be the first time VVPAT will be used on a State-wide basis. A costly but useful complement to the Electronic Voting Machine, and the paper trail allows for an audit of the election results by the EC in a select and randomised number of constituencies.  
What could be the possible reason for introduction of VVPAT?

- a) For improving technology
- b) It is just an experiment
- c) To encourage people to vote
- d) To allow voters to verify their vote after registering it on the EVM
- e) All of the above

**Direction (103-105): Study the information given below and answer the questions based on it.**

Six persons A, B, C, D, E and F have different weights and heights. B is taller than A and E but lighter than A and e) D is taller than b) E is only taller than C and F. Only one person lighter than a) D is heavier than C and E but not the heaviest. The number of person is heavier than F is same as shorter than him. Not more than two persons are heavier than C.

103. Who among the following is shortest in the group?  
 a) C            b) F            c) E            d) A            e) D
104. Who among the following is heaviest in the group?  
 a) D            b) C            c) F            d) B            e) E
105. How many persons are lighter than C?  
 a) None        b) One        c) Two        d) Three        e) Four

**Direction (106-109): 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.

Input: njes glfu 53 18 31 44 wird dect

Step 1: ykte 106 njes glfu 18 31 44 dect.

Step 2: qmhu 132 ykte 106 glfu 18 31 dect.

Step 3: kpjx 124 qmhu 133 ykte 106 18 dect.

Step 4: ijhx 90 kpjx 124 qmhu 133 ykte 106. As per the rules followed in the given steps, find out the appropriate steps for the Input.

Input: olpj 21 htpl 34 tnjg 56 67 bnmc

106. Which element comes exactly between '105' and '168' in Step IV of the given input?  
 a) Vplh        b) Lxto        c) Rosl        d) 136        e) None of these

107. Which element is fourth to the left in second last step?  
 a) 134      b) 168      c) Vplh      d) Rosl      e) None of these
108. In which step are the elements '168 vplh 134' found in the same order?  
 a) Third  
 b) Second  
 c) First  
 d) Fourth  
 e) The given order of elements is not found in any step
109. If in the Step III, '136' interchanges its position with 'bnmc' and 'rosl' also interchanges its position with '21', then which element will be fifth to the left of 'rosl'?  
 a) bnmc      b) 136      c) Vplh      d) 134      e) None of these

**Direction (110-112): Read the following information carefully and answer the following question:**

You have to assign 1- 8 numbers to the consonant letter. For example B is assign to 1, C is assigned 2 upto the K is assigned 8. Again start from L assign to 1 and so on.

Following are the rules, apply in the letter according to the given condition and coded accordingly:

- i) If word contain vowel in starting and ending both end then replace both vowel with \* and # respectively.
- ii) If word contain 3 or more vowels then first two vowel is replace with % and \* and opposite other vowel.
- iii) If there are immediate vowels then interchange its position and opposite the letters and increases its letter coded value by 2 numbers
- iv) If first letter is vowel and last letter is consonant than interchange its position and opposite vowel letter.
- v) If there are two vowels in the word but not immediate then interchange its position and opposite both letter.

110. The code for the word 'philatlist'?  
 a) 46%1\*821768      b) 46%1\*812678      c) 46%1\*821678  
 d) 46%1\*811678      e) None of these
111. Which of the following is the code for 'MUSIC BITE'?  
 a) 26642 1266      b) 26732 1176      c) 26742 1186  
 d) 26632 1286      e) None of these

112. Addition of all independent numbers in the word 'your fairy tales'?
- a) 63                      b) 64                      c) 65                      d) 66                      e) None of these

**Direction (113-115): In the following questions, the symbols %, @, #, \$, & and \* are used with the following meaning as illustrated below:**

P @ Q → P and Q

P % Q → Q is wife of P

P # Q → Q is daughter of P

P \* Q → P is younger than Q

P \$ Q → Q is parent of P

P & Q → P and Q are siblings

R\*S#T&V

S&R\$P@Q

T\*V, U%S, P%Q

X&W\$R

113. If the age of X is 10 yr then what will be the expected age of W?
- a) 8                                      b) 14                                      c) 12  
d) Cannot be determined      e) None of these

114. How T is related with P in the given condition?
- a) Son                                      b) Daughter                                      c) Grand daughter  
d) Grand Son                                      e) None of these

115. If the age of T is 20 yrs then what may be the age of V?
- a) 13                      b) 22                      c) 18                      d) 15                      e) None of these

116. Recently, government set up a ministerial panel, led by \_\_\_\_\_, to consider and oversee mergers among the country's 21 state-run banks.
- a) Urjit Patel                                      b) Arun Jaitley                                      c) Hasmukh Adhia  
d) Rajiv Kumar                                      e) Dr. Viral V. Acharya

117. Who among the following is the author of e-book 'India 2017 Year Book'?
- a) Rajiv Gauba                                      b) Rajiv Mehrishi                                      c) R.K Verma  
d) A.K. Lohani                                      e) None of these

118. Which of the following countries has been selected as the host of Commonwealth Games 2018?



- a) India
- b) Australia
- c) Pakistan
- d) South Africa
- e) Sri Lanka

119. Under the Union Budget 2017, provision under MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) has been increased to \_\_\_\_\_?
- a) Rs. 38500 crores
  - b) Rs. 40000 crores
  - c) Rs. 45000 crores
  - d) Rs. 48000 crores
  - e) None of the above
120. Headquarters of Amnesty International is at \_\_\_\_\_.
- a) New York
  - b) London
  - c) Washington
  - d) Berlin
  - e) None of these
121. Which of the following country has won the '2017 FIFA Under-17 World Cup'?
- a) India
  - b) Germany
  - c) England
  - d) Spain
  - e) None of these
122. In the financial term "SWIFT", what is 'S' stand for?
- a) Society
  - b) Saving
  - c) Scheme
  - d) Securitization
  - e) Standard
123. There were six agreements signed between India and Italy during the two days visit of Italy PM. Who is the current prime minister of Italy?
- a) Édouard Philippe
  - b) Paolo Gentiloni
  - c) Emmanuel Macron
  - d) Angela Merkel
  - e) Mariano Rajoy Brey
124. Ease of Doing Business Index is released by
- a) World Bank
  - b) World Economic Forum (WEF)
  - c) International Monetary Fund (IMF)
  - d) World Trade Organization (WTO)
  - e) United Nations Development Program (UNDP)
125. The World Economic outlook, a survey conducted and published by
- a) World Economic Forum (WEF)
  - b) World Bank (WB)
  - c) United Nations Development Program (UNDP)
  - d) World Trade Organization (WTO)
  - e) International Monetary Fund (IMF)
126. Reserve Bank of India (RBI) has formed a Highlevel Task Force on Public Credit Registry (PCR) for India which will be headed by-

- a) S Venkitaraman  
b) G. Ambegaokar  
c) Yeshwant M. Deosthalee  
d) R S Gujral  
e) S R Rao
127. .... often lead to oligopoly-like conditions because they discourage new competitors from entering a market.  
a) Antitrust                      b) Monopolize                      c) Capital intensive  
d) Economies of scale              e) None of these
128. Which of the following is not a function of RBI?  
a) Regulating and supervising the financial system  
b) Issuing currency  
c) Lender of Last Resort  
d) Custodian of Country's Foreign Currency Reserves  
e) Regulating and controlling the business on stock markets.
129. In context with the Banking & Finance terminology what is the expansion of LTV.  
a) Liquidity Term Value              b) Long Term Validity              c) Loan to Variable  
d) Loan to Value                      e) Legal Term Variable
130. India impose anti-dumping duty of up to \$168.76 per tonne on imports of a chemical, mainly used in textile and packaging industry, from five countries including China and Iran to protect domestic players. The anti-dumping duty is imposed by \_\_\_\_\_.  
a) Ministry of Commerce & Industry  
b) Ministry of Finance  
c) Directorate General of Anti-Dumping and Allied Duties (DGAD)  
d) Ministry of Textiles  
e) Ministry of External Affairs
131. Kisan Credit Card (KCC) scheme was prepared by \_\_\_\_\_.  
a) Reserve Bank of India (RBI)  
b) NABARD  
c) Govt. of India  
d) Indian Banks  
e) Finance Ministry

132. The Union Government has announced Bank Recapitalisation plan to infuse Rs. 2.11 lakh crore capital over next two years into public sector banks (PSBs). Under this plan, PSBs will get \_\_\_\_\_ from the sale of Recapitalisation Bonds.  
a) Rs. 58,000 crore      b) Rs. 18,000 crore      c) Rs. 1.35 lakh crore  
d) Rs. 2.5 lakh crore      e) None of these
133. DR. M.V. Sridhar recently passed away. He was associated with \_\_\_\_\_.  
a) Cricket      b) Writer      c) Politician      d) Actor      e) Artist
134. The International Weightlifting Federation (IWF) headquartered in \_\_\_\_\_.  
a) Munich      b) New York      c) Paris      d) Budapest      e) London
135. The venue of 44th G-7 Summit 2018 is \_\_\_\_\_.  
a) Japan      b) US      c) China      d) France      e) Canada
136. The headquarter of Citi Union Bank is located at \_\_\_\_\_.  
a) Mumbai, Maharashtra  
b) Kumbakonam, Tamil Nadu  
c) Chennai, Tamil Nadu  
d) Kozhikode, Kerala  
e) Kolkata, West Bengal
137. Panna National Park is situated in \_\_\_\_\_.  
a) Rajasthan      b) Madhya Pradesh      c) Chhattisgarh  
d) West Bengal      e) Kerala
138. Every year, November 12 is observed as \_\_\_\_\_.  
a) World Veterans Day      b) World Science Day      c) World Pneumonia Day  
d) World Diabetes Day      e) World Statistics Day
139. Bandhan Bank Ltd. is an Indian banking and financial services company headquartered in Kolkata, West Bengal started as a \_\_\_\_\_ company.  
a) Infrastructure finance  
b) Micro-Finance  
c) Small Finance  
d) Small & Medium Enterprises  
e) Other than the given options
140. What is the maximum deposit allowed in India Post Payment Bank (IPPB)?  
a) Rs. 10,000      b) Rs. 50,000      c) Rs. 1 lakh  
d) Rs. 5 lakh      e) No limit

141. Sathish Kumar and Ragala Venkat Rahul are associated with \_\_\_\_\_.  
a) Boxing                                      b) Shooting                                      c) Weightlifting  
d) Archery                                      e) Hockey
142. Dudhawa Dam is built across \_\_\_\_\_ river.  
a) Krishna                                      b) Narmada                                      c) Godavari  
d) Mahanadi                                      e) Jhelum
143. Fugdi is the folk dance of \_\_\_\_\_.  
a) Kerala                                      b) Goa                                      c) Karnataka  
d) West Bengal                                      e) Odisha
144. Who clear the payments of the Business Correspondents in rural areas?  
a) RBI                                      b) Gram Panchayat                                      c) Respective Banks  
d) Third party agencies                                      e) None of these
145. A written commitment made by a bank which is issued after a request by the buyer that payment will be made to the beneficiary as evidence by the presentation of specified documents is known as \_\_\_\_\_.  
a) Letter of Commitment  
b) Underwriting  
c) Bank guarantee  
d) Letter of Credit  
e) Other than the given option
146. The electronic payment which is made by scanning a code through the mobile phone is known as \_\_\_\_\_.  
a) Barcode                                      b) Bharat QR code                                      c) Scan & Pay  
d) Point-of-Sale (POS)                                      e) None of these
147. The slowdown in the rate of increase of prices of goods & services in National GDP over time is called \_\_\_\_\_.  
a) Disinflation                                      b) Deflation                                      c) Stagflation  
d) Demand-pull Inflation                                      e) Hyperinflation
148. The transaction in which bank guarantees the payment in case of damage or financial loss and accepts financial risk & liability is known as \_\_\_\_\_.  
a) Collateral                                      b) Underwriting                                      c) Letter of Credit  
d) Bank guarantee                                      e) Other than the given option

149. In 'AMRUT', 'U' stands for \_\_\_\_\_.  
a) Union      b) Urban      c) United      d) Universal      e) Unified
150. The 'Tallinn' is the capital of \_\_\_\_\_.  
a) Mongolia      b) Tunisia      c) Estonia      d) Lithuania      e) Latvia
151. In Income tax, 10% surcharge is applicable to individuals who earn \_\_\_\_\_.  
a) Rs. 10 lakh to Rs. 50 lakh  
b) Rs. 20 lakh to Rs. 1 Crore  
c) Rs. 50 lakh to Rs. 1 Crore  
d) Rs. 1 Crore to Rs. 5 Crore  
e) Rs. 5 Crore & above
152. According to the PWC World2050 report, the two largest economies in the world in 2050 will be China and \_\_\_\_\_.  
a) US      b) India      c) Indonesia      d) Russia      e) UK
153. As per the Reserve Bank of India guidelines for 'on tap' licensing of Universal Banks in the Private Sector, the applications for the Universal Bank will be evaluated by SEAC Committee. In 'SEAC' A stands for \_\_\_\_\_.  
a) Account      b) Advisory      c) Application  
d) Additional      e) Other than the given option
154. What is the taxable event under GST?  
a) Supply of Goods  
b) Supply of Services  
c) Manufacturer of Goods  
d) Both A & B  
e) Both A & C
155. The main objective of the import substitution is \_\_\_\_\_.  
a) to discourage the demand for imports  
b) to encourage domestic production  
c) to encourage domestic consumption  
d) to make the goods relatively more expensive  
e) to encourage import of goods from foreign economies

1. e	2. b	3. c	4. e	5. c	6. d	7. d	8. c	9. e	10. b
11. c	12. b	13. d	14. e	15. c	16. b	17. b	18. c	19. e	20. c
21. b	22. e	23. c	24. c	25. c	26. b	27. e	28. d	29. c	30. b
31. d	32. a	33. d	34. e	35. c	36. c	37. b	38. d	39. b	40. a
41. d	42. b	43. a	44. e	45. b	46. e	47. d	48. e	49. c	50. a
51. b	52. c	53. d	54. c	55. e	56. b	57. d	58. b	59. c	60. d
61. e	62. e	63. b	64. e	65. c	66. b	67. d	68. b	69. a	70. c
71. d	72. c	73. b	74. b	75. c	76. b	77. d	78. d	79. a	80. b
81. c	82. d	83. e	84. c	85. d	86. b	87. b	88. a	89. c	90. b
91. d	92. d	93. a	94. b	95. d	96. e	97. d	98. b	99. d	100. d
101. b	102. d	103. b	104. c	105. d	106. d	107. b	108. a	109. a	110. d
111. c	112. a	113. d	114. c	115. b	116. b	117. b	118. b	119. d	120. b
121. c	122. a	123. b	124. a	125. e	126. c	127. d	128. e	129. d	130. b
131. b	132. c	133. a	134. d	135. e	136. b	137. b	138. c	139. b	140. c
141. c	142. d	143. b	144. c	145. d	146. b	147. a	148. b	149. b	150. c
151. c	152. b	153. b	154. d	155. b					

## Solutions

1. The passage states how pollution and the associated environmental problems are increasing in the country but the Government has chosen the easy and the wrong way. It is trying to curb all sorts of protests and steps taken by the citizens and a social unrest exists. The passage states the negligence that exists from the Government's side. Thus option E is the correct answer.
2. The passage states how the people have started protesting against the negligent steps taken by the Government. If anyone tries to create awareness the Government takes steps and often bribes people to stop such movements. Thus option B is the correct answer.
3. The passage throws light on how incinerators are being used to treat the wastes dumped in huge amounts. The smoke is harmful for the health of people. However, any sort of environmental concern is being ignored by the Government. Thus option C is the correct answer.
4. An inference is something which is not explicitly stated. The last line of the passage indicates that the citizens are complaining that too in large numbers and are continuing their protests against the Government. Thus option E is the

correct answer.

5. It is clear from the passage that people are aware of the degradation of the environment and the Government is at its best to curb all these protests and hide the damage that is being done to the environment. The main point that is significant here is the awareness of the people and their intention to do something about it. Thus C is the correct answer.
6. While is used when two contrary points are mentioned thus A and B can fit here. A talks about point source pollution being neglected and B states the non point source of pollution being taken care of. A states the point source of pollution being neglected whereas D states it being taken care of. Thus 'while' fits here too. Option D is the correct answer.
7. 'And' is used to join two sentences which speak on the same note thus A and C can be connected. Similarly C and D can be connected too. A and B cannot be connected as the first sentence talks about her coming to prominence so serving the soldiers cannot be connected to it. Option D is the correct answer.
8. The first blank must be 'interdependence' as the sentence states the movement of goods across the border so 'rivalry' would be incorrect here. The second statement is related to the international laws and regulations so the word 'diminution' which means 'reduction' fits here correctly. Thus option C is the correct answer. The word 'tyranny' means 'cruel and oppressive government or rule' and makes no sense here. The word 'specious' means 'false' and is inappropriate here.
9. The word in the first blank must be a verb and the word in the second blank must be a noun. The word 'conjures' means 'cause (a spirit or ghost) to appear by means of a magic ritual' and does not fit here. The word 'practices' too does not make any sense here. The correct word is 'induce' which means 'generates or gives rise to' and conveys the correct meaning. The word 'arcane' means 'understood by few; mysterious or secret' and does not fit here. The word 'antiquity' means 'the ancient past, especially the period of classical and other human civilizations before the Middle Ages' and fits here correctly. Thus option E is the correct answer.
10. The word 'imprison' present after the blank makes it understood that the word in the blank must convey the opposite meaning. Thus 'liberated' which means 'set free' fits here correctly. Option I does not make any sense here. The word

'oppressed' means 'tortured' and does not fit here. The word 'legitimate' means 'authorized' and fits here correctly. The word 'comprehensive' means 'in depth or including or dealing with all or nearly all elements or aspects of something' and can fit here too. Option B has both the correct words thus B is the correct answer. III cannot go with V thus option C is incorrect.

11. The passage states that human beings are emotional beings and lack the logic to think. The following lines state some examples of terrible and severe activities all caused by emotions. Thus option C is the correct answer.
12. It is clear that decisions or policies implemented through this theory ensure active participation of the people thus bringing significant results. Option B is the correct answer.
13. It can be clearly understood that the policies implemented on this basis are actually influenced by the government but they seem to be people's own decisions. It is a form of indirect influence on the people's thinking and decisions. Thus D is the correct answer. Option C is incorrect. Nothing about its evils is mentioned in the passage so E is incorrect. The efficacy varies and a single statement cannot be made. Thus A and B are incorrect as well.
14. The passage states nothing negative about the nudge theory. It mentions how policies have been implemented by the government using this theory and how it has brought significant results. Thus option E is the correct answer.
15. The rate of pension was really low in UK so people wanted to save more for their future but were not confident and hesitated. The Government started a rule in the private sector that the employers would take away a certain amount of the salary for the employees' future uses. This was not mandatory and people could opt out of this if they wanted. The policy made the people confident and it really worked out well. Here the Government used the psychology of the people to create something beneficial for them but not directly enforcing it on them. Thus option C is the correct answer.
16. The words tormented and agonised refer to being inflicted with pain or misery. Arouse means evoke or awaken (a feeling, emotion, or response).
17. Fathomed- understand (a difficult problem or an enigmatic person) after much thought. Devastated- cause (someone) severe and overwhelming shock or grief. Ruined- cause great and usually irreparable damage or harm to; have a disastrous



effect on, destroy or ruin. Abrupt- sudden and unexpected.  
Hence, B and C are synonyms.

18. Consent means permission for something to happen or agreement to do something. Nascent and emerging both mean 'beginning to exist'. Insecure- uncertain or anxious about oneself; not confident. Hence, B and C are synonyms.
19. Abundance and plethora refer to a large quantity that is more than enough or required. Hence, these are synonyms.
20. Statement V states how increased prosperity became a problem thus option C fits here correctly stating the reason. Increased prosperity increased the expectations of the people and the tyrants failed to fulfill the demands of the people. The other options do not make any sense here.
21. Statement II talks of the problem and Statement III talks of poleis. Thus option B fits in between as it talks about the frustration thereby stating the problem in details. Statement III talks more about the poleis. Thus B is the correct answer.
22. Statement III states how the nobles took help of the middle classes to overthrow the aristocracies. The middle class were frustrated with the power of the ruling class who was not concerned about the well being of the people. Thus E is the correct option.
23. All the options except C have grammatical errors. Only C makes sense that staff training is necessary for a number of purposes in one's business and it also boosts job satisfaction.
24. The only sentence that makes sense here is option C. It clearly states the meaning that the outcome had a greater extent as the battle lines were drawn when something happened. Thus C is the correct answer.
25. The error lies in option C as the preposition 'for' is incorrect and must be replaced with 'under'. 'For' is used to specify a reason and 'under' means 'according to.' Thus C is the correct answer.
26. The error lies in option B as the verb 'prohibits' in simple present is incorrect and must be replaced with the verb 'prohibited' in simple past tense to make the sentence correct. The sentence is structured in simple past as it talks about an action of the past thus this verb too must be in simple past tense. Option B is the

correct answer.

27. The verb 'resulting' is present continuous tense is incorrect and must be replaced with the verb in simple present tense 'result' to make the sentence correct. The word 'could' has been used here thus the verb 'result' fits here correctly. Option E is the correct answer.
28. Statements A and B are about 'toxic and unregulated pesticides that are killing farmers and laborers.' Statement C shows the state and central government's take on this. Statement E is the reason behind this. As we can decipher that statements A, B, C and E are general statements stating how pesticides are creating an immense developmental backlog and an acute agrarian crisis and not about any particular pesticide on some particular plant, whereas statement D focuses on cotton pests (cotton crops). Therefore, option D is the apt answer.
29. The word 'hardship' which means 'a suffering' and 'deprivation' which means 'the lack or denial of something considered to be a necessity' fit here correctly as the sentence is talking about such conditions. Only option C makes sense here. The word 'turnover' means 'the amount of money taken by a business in a particular period' and makes no sense here. The word 'nettle' means 'annoy' and is irrelevant here. The word 'goad' means 'to provoke' and fails to convey any meaning here.
30. It is clear that the sentence is talking about ways to reduce expenses thus the phrase 'cut back' which means 'reduce' fits here correctly. The phrase 'make a reduction' too fits here. The other words either do not make any sense here or are grammatically incorrect. The phrasal verb 'call on' means 'pay a visit to someone' and makes no sense here. Thus option B is the correct answer.
31. The word 'halcyon' means 'serene or calm' and makes no sense here. The word 'rattle' means 'to make upset or nervous' and does not fit in the context. The correct word is 'tradeoff' which means 'a balance achieved between two desirable but incompatible features; a compromise'. The word 'compromises' too makes sense here. Only option D can fit here.
32. The word 'hassle' means 'an inconvenience' and 'nuisance' means 'a thing that causes inconvenience.' Thus option A conveys the correct meaning here. The word 'hasidic' means 'relating to or denoting Hasidism, a mystical Jewish movement founded in Poland in the 18th century in reaction to the rigid academicism of rabbinical Judaism' and does not fit here. The word 'freight'

means 'goods transported in bulk by truck, train, ship, or aircraft' and does not convey any meaning here. Thus option A is the correct answer.

33. The sentence here must convey a negative meaning as the disadvantages are being stated here. Thus the word 'zealous' which means 'enthusiastic' does not fit here. The word 'dispute' means 'a disagreement' and makes no sense here. Option D fits here correctly as it conveys the proper meaning that staying can be difficult and can cause discomfort. The other options do not make any sense here.
34. The passage talks about reducing the cost of living so option E fits here correctly. The word 'affordable' means 'inexpensive' and 'reasonably priced' conveys the same meaning. The word 'priced' means 'expensive' and does not fit here. The word 'jejune' means 'naive, simplistic, and superficial' and is irrelevant here. The word 'insidious' means 'proceeding in a gradual, subtle way, but with very harmful effects' and is not the correct adjective. The word 'bolster' means 'a support' and does not convey the correct meaning. Thus option E is the correct answer.
35. The actions of staying in a car or not paying the mortgage or rent are drastic or severe steps thus 'radical actions' fit here correctly. Option C is the correct answer. The word 'mundane' means 'dull' and is not the correct word here. The word 'abstinence' means 'the act of not taking part in something' and does not convey the correct meaning. The word 'aberration' means 'an abnormality' and does not fit here. Thus option C is the correct answer.
36. Series following the pattern,  
-0.2, +0.4, -0.8, +1.6, -3.2, +6.4  
So 6.4 will be replaced by 6.2.  
Hence, option C.
37. Series following the pattern,  
\*1+1, \*2+2, \*3+3, \*4+4, \*5+5, \*6+6  
So  $112 * 5 + 5 = 565$   
So 565 will come instead of 570.  
Hence, option B.
38. Series following the pattern,  
 $-1^3+1, -2^3+1, -3^3+1, -4^3+1, -5^3+1, -6^3+1$   
So 600 will come instead of 598.

Hence, option D.

39. Series following the pattern,  
 $*0.5+5, *1+1, *1.5+1.5, *2+2, *2.5+2.5, *3+3$   
So 20 will come instead of 21.  
Hence, option B.
40. Series following the pattern,  
 $\div 0.5+1, \div 0.5+1, \div 0.5+1, \div 0.5+1, \div 0.5+1, \div 0.5+1,$   
 $\div 0.5+1$   
So 66 will come instead of 60.  
Hence, option A.
41. From Village A, We know that,  
Total contestants in a village = Online contestants + Offline contestants  
So  $486 = (100 - 46)54\%$   
So  $100\% = 900$   
So total contestants in village A = 900  
Offline contestants =  $900 - 486 = 414$   
Equal number of contestants didn't completed the survey =  $92/2 = 46$   
So online contestants who completed the survey =  $486 - 46 = 440$   
So offline contestants who completed the survey =  $414 - 46 = 368$   
Then, who completed the survey are what percent (approximate) more than  
offline contestants who completed the survey,  
 $(440 - 368) * 100 / 368 = 19.5\%$   
So approximate 20%.  
Hence, option D.
42. From Village B, We know that,  
Total contestants in a village = Online contestants + Offline contestants  
So  $336 = (100 - 52)48\%$   
So  $100\% = 700$   
So total contestants in village B = 700  
Who completed the survey =  $700 - 108 = 592$   
From Village C, We know that,  
Total contestants in a village = Online contestants + Offline contestants  
So  $480 = (100 - 40)60\%$   
So  $100\% = 800$   
So total contestants in village C = 800  
Who completed the survey =  $800 - 76 = 724$   
Then, according to the question,  
 $724 - 592 = 132$

Hence, option B.

43. From Village D, We know that,  
Total contestants in a village=Online contestants + Offline contestants  
So  $420=(100-30)70\%$   
So  $100\%=600$   
So total contestants in village D=600 Offline contestants=600-420=180  
Ratio of online & offline contestants who didn't completed the survey in village 'D' is 5:3,  
So, online contestants who didn't completed the survey= $128*5/8=80$   
Offline contestants who didn't completed the survey= $128*3/8=48$   
Online contestants who completed the survey= $420- 80=340$   
Offline contestants who completed the survey= $180- 48=132$   
Online contestants who completed the survey, 40% are males then,  
 $340*40/100=136$  males Females= $340-136=204$   
Offline contestants who completed the survey, 25% are females then,  
 $132*25/100=33$  females Males= $132-33=99$   
According to the question,  $204-99=105$   
Hence, option A.
44. From Village C, We know that,  
Total contestants in a village=Online contestants + Offline contestants  
So  $480=(100-40)60\%$   
So  $100\%=800$   
So total contestants in village C=800  
Offline contestants=800-480=320  
From Village E,  
We know that,  
Total contestants in a village=Online contestants + Offline contestants  
So  $216=(100-55)45\%$   
So  $100\%=480$   
So total contestants in village E=480 Offline contestants=480-216=264 According to the question,  
 $320-264=56$   
Hence, option E.
45. From Village A, We know that,  
Total contestants in a village=Online contestants + Offline contestants  
So  $486=(100-46)54\%$   
So  $100\%=900$

So total contestants in village A=900

Who completed the survey=900-92=808 From Village D,

We know that,

Total contestants in a village=Online contestants + Offline contestants

So  $420=(100-30)70\%$

So  $100\%=600$

So total contestants in village D=600 According to the question,  $808*100/600=135\%$

Hence, option B.

46. From I and II,

120 girls participated in the sports and we know that 40% of girls participated in the sports then,  $40\%=120$

$100\%=300$

So total number of girls in the school=300

The number of girls is there in the school is 25% more than the number of boys is participated in the sports then,

$300*100/125=240$

So total number of boys participated in the sports=240 Now,  $60\%=240$

$100\%=400$

So total number of boys in the school=400

So statement I and II together are necessary to answer the questions.

Hence, option E.

47. Given, a box contains 10 tube lights, fewer than half of which are defective. Two tube lights are to be drawn simultaneously from the box.

From statement I, probability that the two tube lights to be drawn will be defective is  $1/15$ .

Thus, both the tube lights are defective.

$$\text{If } n = 2, \quad P = \frac{2}{10} \times \frac{1}{9} = \frac{1}{45}$$

$$\text{If } n = 3, \quad P = \frac{3}{10} \times \frac{2}{9} = \frac{1}{15}$$

Thus, value of  $n = 3$  Statement I is alone sufficient

From statement II, probability that one of the tube lights to be drawn will be defective and the other will not be defective is  $7/15$ .

Thus, one of the tube lights is defective out of the two. Thus, either the first light will be defective or the second light will be defective.

Probability will be same for each, thus the probability will be doubled in each case.

If  $n = 2$ ,

$$p = 2 \times \frac{2}{10} \times \frac{8}{9} = \frac{16}{45}$$

If  $n = 3$ ,

$$p = 2 \times \frac{3}{10} \times \frac{7}{9} = \frac{7}{15}$$

which is given.

Thus the value of  $n$  is 3. Statement II alone is sufficient.

Thus, statement I or statement II alone are sufficient.

48. From Statement I:  $S.I = P \times R \times T/100 = (0.2P) \times 5 \times 1/100 = P/100$

$$C.I = P \{ [1+(R/100)]^T - 1 \}$$

$$= 0.8P \{ [1+(10/100)]^2 - 1 \} = (168/1000)P$$

$$\text{Then, } S.I = 10P/1000 \text{ \& } C.I = 168P/1000$$

$$\text{Total Profit} = 178P/1000$$

$$\text{Profit\%} = [(178P/1000)/(P)] \times 100 = 17.8\%$$

$$\text{From Statement II: } S.I = P \times R \times T/100 = (0.2P) \times 5 \times 1/100 = P/100 = 1500$$

$$C.I = 0.8P \{ [1+(10/100)]^2 - 1 \} = (0.8 \times 150000)(21/100)$$

$$= (120000)(21/100) = \text{Rs. } 25,200$$

$$\text{Total profit} = 25200 + 1500 = 26700$$

$$\text{Profit\%} = (26700/150000) \times 100 = 267/15 = 17.8\%$$

Hence, both statements I & II are necessary to answer the question

49. Let the two digits be 'x' and 'y'.

Then, first number =  $10x + y$  and, Second number =  $10y + x$

$$\text{ATQ, sum of the two numbers} = (10x + y) + (10y + x) = 11x + 11y$$

$$= 11(x + y) = 11 \text{ times the sum of the digits}$$

From Statement I: Sum of digits = 13.

$$\text{So, sum of the two numbers} = 11 \times 13 = 143$$

From Statement II: Difference of digits = 5 and product = 24

$$(x + y)^2 = (x - y)^2 + 4xy$$

$$\text{Or, } (x + y)^2 = (5)^2 + (4 \times 24) = 25 + 96 = 121$$

$$\text{Or, } x + y = 11$$

i.e., sum of the two numbers =  $11 \times 11 = 121$  Hence, both statements I & II yield answer to the question independently.

50. For one year,

$$C.I. = P \{ [1+(R/100)]^T - 1 \} = P \{ [1+(R_{CI}/100)]^1 - 1 \} = (P \times R_{CI}) / 100$$

$$S.I. = (P \times R \times T) / 100 = (P \times R_{SI} \times 1) / 100 = (P \times R_{SI}) / 100$$

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Difference =  $(P/100) \times (R_{CI} - R_{SI}) = (15000/100) \times (R_{CI} - R_{SI}) = 150(R_{CI} - R_{SI})$   
 Only from Statement I, difference of rate of interest between C.I. and S.I. is replaced by 3.8%,  
 Then, difference between C.I & S.I. =  $150 \times 3.8 = 15 \times 38 = ₹570$   
 Hence, only statements I alone is required to answer the question while statement II alone cannot.

51. Let the marked price of the article F on both days=100

Discount on Monday=25%

So selling price on Monday=75

Discount on Tuesday=35%

So selling price on Tuesday=65

Difference=(75-65)=10

Then it is given difference of selling price=100

10%=100

1%=10

So selling price on Monday,

$75 \times 10 = 750$

As profit is given on Monday then,

125% of CP of Monday=750

CP=600rs.

Hence, option B.

52. Let the marked price of article D=400x

Let the marked price of article A=300x

Discount of article D on Tuesday=25%

Selling price of article D=400x \* 75/100=300x

Discount of article A on Tuesday=15%

Selling price of article D=300x \* 85/100=255x

Profit of article D=20%

Profit of article A=27.5%

Ratio of cost prices of both articles,

$CP_D * 120\% / CP_A * 127.5\% = SP_D / SP_A$

$CP_D * 120\% / CP_A * 127.5\% = 300x / 255x$

$CP_D / CP_A = 300 * 127.5 / 255 * 1200$

$CP_D / CP_A = 5/$

Hence, option C.

53. Marked price of article E=1200



Discount on Monday of article E=10%  
 So selling price of article E on  
 Monday= $1200 \times 90/100=1080$   
 Total selling price of article A on Tuesday and article E on  
 Monday is 1590  
 So selling price of article A on Tuesday= $1590-1080=510$   
 Discount on Tuesday for article A=15%  
 Let the marked price of article A=100  
 So selling price of article A on Tuesday= $100-15=85\%$  Now,  $85\%=510$   
 Then  $100\%=600$   
 So marked price of article A=600  
 Cost price of article C is  $5/4$  of the marked price of article A,  
 So cost price of article C= $600 \times 5/4=750$   
 Marked price of article C=1400  
 Discount on Monday=40%  
 So selling price of article C on  
 Monday= $1400 \times 60/100=840$   
 So profit of article C on Monday= $840-750=90$   
 Hence, option D.

54. Marked price of article B=1500  
 Discount on Monday=25%  
 Selling price of article B on Monday= $1500 \times 75/100=1125$   
 Marked price of article C=1400  
 Discount on Tuesday=20%  
 Selling price of article B on Monday= $1400 \times 80/100=1120$   
 Marked price of article E=1200  
 Discount on Tuesday=30%  
 Selling price of article B on Monday= $1200 \times 70/100=840$   
 Total selling price= $1125+1120+840=3085$   
 Hence, option C.

55. Marked price of article B=1500  
 Discount of article B on Tuesday=30%  
 Selling price of article B on  
 Tuesday= $1500 \times 70/100=1050$   
 Profit of article B on Tuesday=5%  
 So,  $105\%=1050$   
 Then CP of article B= $1050 \times 100/105=1000$   
 Total CP of article B and article D=1500

CP of article D=1500-1000=500

Hence, option E.

56. The number of vehicles on Friday is 40000.

Hence, option B.

Total vehicles on Saturday=75000

Total vehicles on Sunday=75000\*4/5=60000 Saturday,

The number of vehicles on highway B is 15000 less than that of highway A & C together.

Let A&C together=x

Then highway B=x-15000

$x+x-15000=75000$

$x=45000$

So on highway B=75000-45000=30000

A&C=45000

Friday,

The number of vehicles on highway B is one third of the highway B of Saturday.

So on highway B=30000/3=10000

Sunday,

The number of vehicle of highway A is equal to highway B of Saturday.

So highway A=30000 Saturday,

The number of vehicles on highway A is 5/6th of highway A of Sunday.

So highway A=30000\*5/6=25000

We know that highway A +C=45000

So highway C=45000-25000=20000

Sunday,

The number of vehicles on highway C is same on Saturday and Sunday.

So highway C=20000

Total Sunday=60000

Then highway B=60000-(30000+20000)=10000

Friday,

The number of vehicles on highway C is 3/4th of highway C of Saturday.

So highway C=20000\*3/4=15000

The number of vehicle on highway A and C is same.

So highway A=15000

Day	Highway A	Highway B	Highway C
Friday	15000	10000	15000
Saturday	25000	30000	20000
Sunday	30000	10000	20000

57. The total number of vehicles on highway A of three days,  
 $15000+25000+30000=70000$   
Hence, option D.  
Total vehicles on Saturday=75000  
Total vehicles on Sunday= $75000 \times \frac{4}{5}=60000$  Saturday,  
The number of vehicles on highway B is 15000 less than that of highway A & C together.  
Let A&C together= $x$   
Then highway B= $x-15000$   
 $x+x-15000=75000$   
 $x=45000$   
So on highway B= $75000-45000=30000$   
A&C=45000  
Friday,  
The number of vehicles on highway B is one third of the highway B of Saturday.  
So on highway B= $30000/3=10000$   
Sunday,  
The number of vehicle of highway A is equal to highway B of Saturday.  
So highway A=30000  
Saturday,  
The number of vehicles on highway A is  $\frac{5}{6}$ th of highway A of Sunday.  
So highway A= $30000 \times \frac{5}{6}=25000$   
We know that highway A +C=45000  
So highway C= $45000-25000=20000$   
Sunday,  
The number of vehicles on highway C is same on Saturday and Sunday.  
So highway C=20000  
Total Sunday=60000  
Then highway B= $60000-(30000+20000)=10000$   
Friday,  
The number of vehicles on highway C is  $\frac{3}{4}$ th of highway C of Saturday.  
So highway C= $20000 \times \frac{3}{4}=15000$   
The number of vehicle on highway A and C is same.  
So highway A=15000

Day	Highway A	Highway B	Highway C
Friday	15000	10000	15000
Saturday	25000	30000	20000
Sunday	30000	10000	20000

58.  $60000/3=20000$   
Hence, option B.

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Total vehicles on Saturday=75000

Total vehicles on Sunday=75000\*4/5=60000 Saturday,

The number of vehicles on highway B is 15000 less than that of highway A & C together.

Let A&C together=x

Then highway B=x-15000

$x+x-15000=75000$

$x=45000$

So on highway B=75000-45000=30000

A&C=45000

Friday,

The number of vehicles on highway B is one third of the highway B of Saturday.

So on highway B=30000/3=10000 Sunday,

The number of vehicle of highway A is equal to highway B of Saturday.

So highway A=30000

Saturday,

The number of vehicles on highway A is 5/6th of highway A of Sunday.

So highway A=30000\*5/6=25000

We know that highway A +C=45000

So highway C=45000-25000=20000

Sunday,

The number of vehicles on highway C is same on Saturday and Sunday.

So highway C=20000

Total Sunday=60000

Then highway B=60000-(30000+20000)=10000

Friday,

The number of vehicles on highway C is 3/4<sup>th</sup> C of Saturday.

So highway C=20000\*3/4=15000

The number of vehicle on highway A and C is same. So highway A=15000

Day	Highway A	Highway B	Highway C
Friday	15000	10000	15000
Saturday	25000	30000	20000
Sunday	30000	10000	20000

59. Highway A on Saturday=25000

Highway C on Friday=15000

Difference=25000-15000=10000

Hence, option C.

Total vehicles on Saturday=75000

Total vehicles on Sunday=75000\*4/5=60000 Saturday,

The number of vehicles on highway B is 15000 less than that of highway A & C

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together.

Let A&C together= $x$

Then highway B= $x-15000$

$x+x-15000=75000$

$x=45000$

So on highway B= $75000-45000=30000$

A&C= $45000$

Friday,

The number of vehicles on highway B is one third of the highway B of Saturday.

So on highway B= $30000/3=10000$

Sunday,

The number of vehicle of highway A is equal to highway B of Saturday.

So highway A= $30000$

Saturday,

The number of vehicles on highway A is  $5/6$ th of highway A of Sunday.

So highway A= $30000*5/6=25000$

We know that highway A +C= $45000$

So highway C= $45000-25000=20000$

Sunday,

The number of vehicles on highway C is same on Saturday and Sunday.

So highway C= $20000$

Total Sunday= $60000$

Then highway B= $60000-(30000+20000)=10000$

Friday,

The number of vehicles on highway C is  $3/4$ <sup>th</sup> of highway C of Saturday.

So highway C= $20000*3/4=15000$

The number of vehicle on highway A and C is same.

So highway A=  $15000$

Day	Highway A	Highway B	Highway C
Friday	15000	10000	15000
Saturday	25000	30000	20000
Sunday	30000	10000	20000

60. Vehicles on highway B on Friday= $10000$

Total vehicles on Sunday= $60000$

According to the questions,

$10000*100/60000=16.66\%$

Hence, option D.

Total vehicles on Saturday= $75000$

Total vehicles on Sunday= $75000*4/5=60000$

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53

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Saturday,

The number of vehicles on highway B is 15000 less than that of highway A & C together.

Let A&C together= $x$

Then highway B= $x-15000$

$$x+x-15000=75000$$

$$x=45000$$

So on highway B= $75000-45000=30000$

$$A+C=45000$$

Friday,

The number of vehicles on highway B is one third of the highway B of Saturday.

$$\text{So on highway B} = 30000/3 = 10000$$

Sunday,

The number of vehicle of highway A is equal to highway B of Saturday.

$$\text{So highway A} = 30000$$

Saturday,

The number of vehicles on highway A is  $5/6^{\text{th}}$  of highway A of Sunday.

$$\text{So highway A} = 30000 * 5/6 = 25000$$

We know that highway A + C = 45000

$$\text{So highway C} = 45000 - 25000 = 20000$$

Sunday,

The number of vehicles on highway C is same on Saturday and Sunday.

$$\text{So highway C} = 20000$$

$$\text{Total Sunday} = 60000$$

$$\text{Then highway B} = 60000 - (30000 + 20000) = 10000$$

Friday,

The number of vehicles on highway C is  $3/4^{\text{th}}$  of highway C of Saturday.

$$\text{So highway C} = 20000 * 3/4 = 15000$$

The number of vehicle on highway A and C is same.

$$\text{So highway A} = 15000$$

Day	Highway A	Highway B	Highway C
Friday	15000	10000	15000
Saturday	25000	30000	20000
Sunday	30000	10000	20000

61.  $A+B=11$ ,  $A=(B-11)$   
 $(11-B)^2 + B^2 = 73$   
 $121 - 22B + B^2 = 73$   
 $B^2 - 11B + 24 = 0$

$$B=+8, +3$$

So If B's value is 8 then A's value is 3 or B's value is 3 then A's value is 8.

So in quantity I,

$$(8)^3 + (3)^3 = 512 + 9 = 539$$

Quantity I = 539

Quantity II = 539

So, both are equal and no relation can be made.

Hence, option E.

62.  $m^4 = 1/625$

so  $m = -1/5$  and  $1/5$

Quantity I =  $-1/5$  and  $1/5$

Quantity 2: 0

We get first,  $0 < 1/5$

We get second,  $0 > -1/5$

Clearly Quantity 1 = Quantity 2 or no relation can be established

Hence, option E.

63. Quantity 1:

Let the number be  $(10X+Y)$ , interchanged number is  $(10Y+X)$

Hence

$$(10Y+X) = (10X+Y)+36$$

$$9(Y-X) = 36$$

$$Y - X = 4$$

$$Y = X + 4$$

Hence set of numbers = {04, 15, 26, 37, 48, 59}

Probability =  $6/63$

Quantity 2:

Multiple of 8 but not 16 = {8, 24, 40, 56}

Probability =  $4/63$

Hence Quantity 1 > Quantity 2

64.

$$\frac{\text{Total Distance covered}}{\text{Total Time Taken}}$$

Average Speed = .....(A)

Let the distance between Meera's school and house be D.

She covered this distance 3 times, while going to school, coming back home to get her books and then back to school again.

Therefore, Total distance covered =  $3 \times D$ .....(I)

Formula:

The relation between Distance travelled, Speed of travel and the Time taken to travel this distance is given by: Distance = Speed×Time

$$\therefore \text{Time} = \frac{\text{Distance}}{\text{speed}} \dots\dots\dots(\text{B})$$

Now, the total time taken by Meera is equal to sum of the amounts if time taken in the 3 parts of the journey.

$$\therefore \text{Total time} = \text{time}_1 + \text{time}_2 + \text{time}_3 \dots\dots\dots(\text{II})$$

time<sub>1</sub> is the time taken to go from home to school for a distance D and speed of 3 mph.

Using fomrula (B):

$$\text{time}_1 = \frac{\text{Distance}}{\text{speed}}$$

$$\text{time}_1 = \frac{D}{3} \dots\dots\dots(\text{III})$$

Similarly,

time<sub>2</sub> is the time taken to go from home to school for a distance D and speed of 6 mph.

$$\text{time}_2 = \frac{\text{Distance}}{\text{speed}}$$

$$\text{time}_2 = \frac{D}{6} \dots\dots\dots(\text{IV})$$

time<sub>3</sub> is taken to go back to school from home for a distance D and speed of 4 mph.

$$\text{time}_3 = \frac{\text{Distance}}{\text{speed}}$$

$$\text{time}_3 = \frac{D}{4} \dots\dots\dots(\text{V})$$

Substituting values of time<sub>1</sub>, time<sub>2</sub>, and time<sub>3</sub> in equation (II) we get,

$$\text{Total time} = \frac{D}{3} + \frac{D}{6} + \frac{D}{4}$$

$$\text{Total time} = D \left( \frac{1}{3} + \frac{1}{6} + \frac{1}{4} \right)$$

$$\text{Total time} = D \left( \frac{1}{2} + \frac{1}{4} \right)$$

$$\text{Total time} = D \left( \frac{3}{4} \right)$$

$$\therefore \text{Total time} = \frac{3}{4} D \dots\dots\dots(\text{VI})$$

Substituting values from (I) and (VI) in formula (A) we get,



$$\text{Average Speed} = \frac{\text{Total Distance Covered}}{\text{Total time taken}}$$

$$\text{Average Speed} = \frac{3D}{\frac{3}{4}D}$$

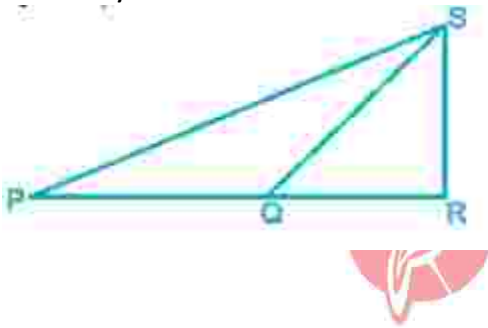
$$\therefore \text{Average Speed} = 4$$

Thus, the value of Quantity I evaluates to 4 mph, which is equal to Quantity II.

i.e. Quantity I = Quantity II

Hence, the correct answer is option (E).

65. Quantity A:



$\Delta PQS$  and  $\Delta SRQ$  are isosceles triangles

$\therefore PQ = QS$  and  $QR = RS$

$\therefore \angle QPS = \angle QSP$

Also,  $\angle PRS = \angle QRS$

$\angle PRS = \angle QRS = 104^\circ$

An isosceles triangle is a triangle with (at least) two equal sides. The two equal sides have equal length. This property is equivalent to two angles of the triangle being equal. An isosceles triangle, therefore, has both two equal sides and two equal angles.

$$\Rightarrow \angle QSR + \angle QRS + \angle RQS = 180^\circ$$

$$\Rightarrow 104^\circ + 2\angle QSR = 180^\circ$$

$$\Rightarrow 2\angle QSR = 76^\circ$$

$$\Rightarrow \angle QSR = 38^\circ$$

$$\text{Now, } \angle QRS + \angle QPS + \angle QSP + \angle QSR = 180^\circ$$

$$\Rightarrow 104^\circ + 2\angle QPS + 38^\circ = 180^\circ$$

$$\Rightarrow 142^\circ + 2\angle QPS = 180^\circ$$

$$\Rightarrow \angle QPS = 19^\circ \text{ Hence, } \angle QPS = 19^\circ \text{ Quantity B:}$$

$20^0, 19^0$

Now, comparing  $19^0 < 20^0$

$19^0 = 19^0$

Hence, Quantity A  $\leq$  Quantity B

66. Let A's work=100  
B's work=100\*100/300=300  
C's work=300\*100/150=200

A	:	B	:	C
100	:	300	:	200
1		3		2

Total work  $6x * 2 = 12x$

So A's work =  $12/1 = 12$  days

B's work =  $12/3 = 4$  days

C's work =  $12/2 = 6$  days

So A alone can complete the work in 12 days.

Hence, option B.

67. One year before age,

A : B : C

1 2

4 7

So final ratio,

4 : 8 : 14

2 : 4 : 7

Present ratio,

$2x+1 : 4x+1 : 7x+1$

According to the question,

$2x+1+4x+1+7x+1=81$

$13x+3=81$   $X=6$

So present age of B,

$4*6+1=25$

After 6 years,

$25+6=31$  years. Hence, option D.

68. Circumference of a circle =  $2\pi R$   
Circumference of a circle =  $\pi R + 2R$   
So,

$$2\pi R + \pi R + 2R = 400$$

$$3\pi R + 2R = 400 \quad R(3\pi + 2) = 400$$

$$R(3 \times \frac{22}{7} + 2) = 400$$

$$R \times \frac{80}{7} = 400$$

$$R = 400 \times \frac{7}{80}$$

$$R = 35 \text{ cm}$$

Radius of another circle whose radius is 200% more than R,

So another circle radius will be  $R + 2R = 3R$

$$3 \times 35 = 105 \text{ cm}$$

Hence, option B.

69. Let the quantity of water = x

According to the question, 4

$$0 + x/50 + x = 6/7$$

$$280 + 7x = 300 + 6x$$

$$x = 20$$

So quantity of water in each vessel = 20L

After putting into vessel C,

$$\text{Total milk} = 40 + 50 = 90 \text{ L}$$

$$\text{Total water} = 20 + 20 = 40 \text{ L}$$

$$\text{So milk/water} = 90/40 = 9:4$$

Hence, option A.

70. Let the cost price of the watch be x. Hence the cost price of the speaker = 1600 - x.

Profit obtained = Profit % \* Cost Price / 100.

$$\text{Hence Profit obtained on the watch} = 30 * x / 100 = 0.3x.$$

$$\text{Profit obtained on the speaker} = 20 * (1600 - x) / 100 = 320 - 0.2x.$$

$$\text{Total profit} = 320 + 0.3x - 0.2x = 320 + 0.1x.$$

$$\text{But profit} = 25.625\% = 25.625 * 1600 / 100 = \text{Rs. } 410.$$

$$\text{Hence, } 320 + 0.1x = 410, \quad 0.1x = 410 - 320 = 90.$$

$$\text{Hence } x = 90 / 0.1 = \text{Rs. } 900.$$

$$\text{Hence, the cost price of the speaker} = 1600 - 900 = \text{Rs. } 700.$$

$$\text{Selling price} = \text{Cost Price} + \text{Profit} = 700 + 700 * 20 / 100 = 700 + 140 = \text{Rs. } 840.$$

$$\text{Let the marked price be } y. \text{ Hence } 840 = y - 20 * y / 100 = 0.8y.$$

(Since a discount of 20% was offered)

$$\text{Hence } y = 840 / 0.8 = \text{Rs. } 1050.$$

Difference between marked price and selling price

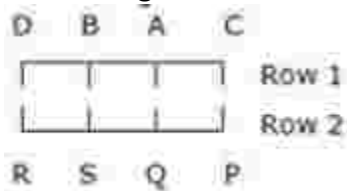
$$= 1050 - 840 = \text{Rs. } 210.$$

Hence the shopkeeper would have obtained Rs. 210 more if he would have sold the speaker at its marked price.

Hence option c

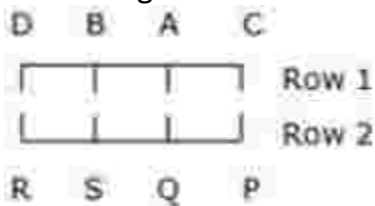
71. The statements point to the fact that perhaps the reason for its success with mothers was its low preparation time in comparison to other noodles.
72. Provides a reason for the success of Maggi with mothers.
73. (The first paragraph says "Already, the consequences of what the voters said and why they said it have begun to reshape Britain's future in profound and potentially dangerous ways". But it does not necessarily mean that the present trend will continue).

74. From the given conditions we can conclude:



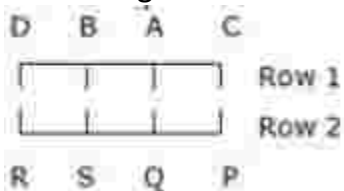
Hence B sits second to the right of the person who faces P.

75. From the given conditions we can conclude:



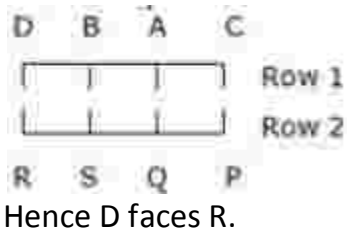
Here all others are sitting at extreme ends.

76. From the given conditions we can conclude:

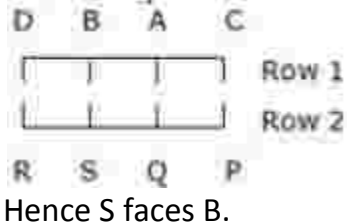


So A sits on the immediate right of C hence option B is correct.

77. From the given conditions we can conclude:



78. From the given conditions we can conclude:



79. One

There is only one person sits between the G, who likes Red color and the person who likes Violet color. Neither A nor the person who likes Violet color sit on the extreme end of the line. There are two persons sit between G and the one who likes Black color. The one who likes Blue color sits second to right of one who likes Green color. H sits immediate left of one who likes Black color. There are two persons sit between H and F, who likes white color. B sits third to left of F. A sits fourth to left of person who stays likes Violet color. C likes orange color. D sits not adjacent to H.



80. Yellow

There is only one person sits between the G, who likes Red color and the person who likes Violet color. Neither A nor the person who likes Violet color sit on the extreme end of the line. There are two persons sit between G and the one who likes Black color. The one who likes Blue color sits second to right of one who likes Green color. H sits immediate left of one who likes Black color. There are two persons sit between H and F, who likes white color. B sits third to left of F. A sits fourth to left of person who stays likes Violet color. C likes orange color. D sits not adjacent to H.



81. The one who likes Black color

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There is only one person sits between the G, who likes Red color and the person who likes Violet color. Neither A nor the person who likes Violet color sit on the extreme end of the line. There are two persons sit between G and the one who likes Black color. The one who likes Blue color sits second to right of one who likes Green color. H sits immediate left of one who likes Black color. There are two persons sit between H and F, who likes white color. B sits third to left of F. A sits fourth to left of person who stays likes Violet color. C likes orange color. D sits not adjacent to H.

B    D    A    F    G    C    H    E  
 (Green) (Yellow) (Blue) (White) (Red) (Orange) (Violet) (Black)

82. Black

There is only one person sits between the G, who likes Red color and the person who likes Violet color. Neither A nor the person who likes Violet color sit on the extreme end of the line. There are two persons sit between G and the one who likes Black color. The one who likes Blue color sits second to right of one who likes Green color. H sits immediate left of one who likes Black color. There are two persons sit between H and F, who likes white color. B sits third to left of F. A sits fourth to left of person who stays likes Violet color. C likes orange color. D sits not adjacent to H.

B    D    A    F    G    C    H    E  
 (Green) (Yellow) (Blue) (White) (Red) (Orange) (Violet) (Black)

83. None of these

There is only one person sits between the G, who likes Red color and the person who likes Violet color. Neither A nor the person who likes Violet color sit on the extreme end of the line. There are two persons sit between G and the one who likes Black color. The one who likes Blue color sits second to right of one who likes Green color. H sits immediate left of one who likes Black color. There are two persons sit between H and F, who likes white color. B sits third to left of F. A sits fourth to left of person who stays likes Violet color. C likes orange color. D sits not adjacent to H.

B    D    A    F    G    C    H    E  
 (Green) (Yellow) (Blue) (White) (Red) (Orange) (Violet) (Black)

84. P@Q means P is to the west of Q; P is either 2 or 12 km west of Q  
 R#P means R is to the south east of Point P.  
 Q\$R means Q is to the North of R; Q is either 5 or 9 km north of R.

By the given statements-

Now only condition satisfying the given condition will be only if the distance between

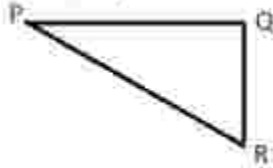
P and Q = 12 Q and R = 5

By Pythagoras theorem,  $PR^2 = PQ^2 + QR^2$

$$13^2 = 12^2 + 5^2$$

$$169 = 169$$

Hence option c is the right answer.



85. U @Q means U is to the west of Q; U is either 2 or 12 km west of Q.

U\$T means U is to the North of T; U is either 5 or 9 km north of T.

T#S means T is to the east of S; T is either 2 or 12 km east of S.

R#T means R is to the east of T; R is either 2 or 12 km east of T.

By the given statements. From the given combinations,

Distance between S and R can be

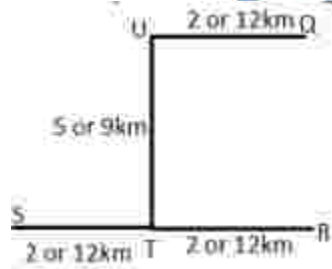
i.  $2+12=14$

ii.  $12+12=24$

iii.  $2+2=4$

Combination of 16 cannot be possible.

Hence option D is the right answer.



86. S@\$T means S is to the north west of point T.

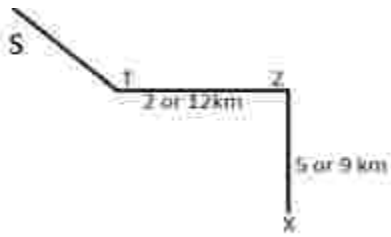
T@Z means T is to the west of Z; T is either 2 or 12 km west of Z

X&Z means X is to the south of Z; X is either 5 or 9 km south of Z

By the given statements:

Clearly X is in South east of point S.

Hence option b is the right answer.



87. S is to the south east of Point T.  
 T is to the east of Q; T is either 2 or 12 km east of Q.  
 R is to the north west of point Q.  
 By the given statements;  
 Clearly, R is to the northwest of point S.

88. a) if we consider 14 people are sitting in a row.  
 Since less than three people are sitting between S and R. We will not consider this case.  
 b) if we consider 16 people are sitting in a row.  
 Since less than three people are sitting between S and R. We will not consider this case.  
 c) if we consider 12 people are sitting in a row.

Since less than three people are sitting between S and R. This satisfies the given condition.

Hence, option C is the right answer.

89. if we consider 14 people are sitting in a row.  
 Since less than three people are sitting between S and R. We will not consider this case.  
 b) if we consider 16 people are sitting in a row.  
 Since less than three people are sitting between S and R. We will not consider this case.  
 c) if we consider 12 people are sitting in a row.  
 Since less than three people are sitting between S and R. This satisfies the given condition.  
 L is fourth to the left of P.

90. if we consider 14 people are sitting in a row.



Since less than three people are sitting between S and R. We will not consider this case.

b) if we consider 16 people are sitting in a row.

Since less than three people are sitting between S and R. We will not consider this case.

c) if we consider 12 people are sitting in a row.

Since less than three people are sitting between S and R. This satisfies the given condition.

There are 4 persons sitting between R and P in anti- clockwise direction.

91. After that they picked a card-

1. E picks a card and found it an ACE of hearts so E picks a card of hearts. It means E will move out to outer circle at the same position and facing inside.

2. C picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.

3. H picks a card of diamond, it means he will move out to the square table at corner no.1.

4. B picks a card of spade, he will remain at the same position, same inner circle but will change his face to outside the circle.

5. D picks a card of diamond, it means he will move out to the square table at corner no.2

6. F picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.

Three are left in the inner circle. Hence, option D.

92. After that they picked a card-

1. E picks a card and found it an ACE of hearts so E picks a card of hearts. It means E will move out to outer circle at the same position and facing inside.

2. C picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.

3. H picks a card of diamond, it means he will move out to the square table at corner no.1.

4. B picks a card of spade, he will remain at the same position, same inner circle but will change his face to outside the circle.

5. D picks a card of diamond, it means he will move out to the square table at corner no.2

6. F picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.

Three persons are between them. Hence, option D.

93. After that they picked a card-
1. E picks a card and found it an ACE of hearts so E picks a card of hearts. It means E will move out to outer circle at the same position and facing inside.
  2. C picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.
  3. H picks a card of diamond, it means he will move out to the square table at corner no.1.
  4. B picks a card of spade, he will remain at the same position, same inner circle but will change his face to outside the circle.
  5. D picks a card of diamond, it means he will move out to the square table at corner no.2
  6. F picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.
- As A will be third to found the diamond card so A will move to 3rd position in the square so A will be 2nd to the left of H.  
Hence, option A.
94. After that they picked a card-
1. E picks a card and found it an ACE of hearts so E picks a card of hearts. It means E will move out to outer circle at the same position and facing inside.
  2. C picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.
  3. H picks a card of diamond, it means he will move out to the square table at corner no.1.
  4. B picks a card of spade, he will remain at the same position, same inner circle but will change his face to outside the circle.
  5. D picks a card of diamond, it means he will move out to the square table at corner no.2
  6. F picks a card of club, it means he will move out to outer circle to the position 2nd to the left of his previous position facing inside.
- C will be immediate neighbor of G.  
Inner circle: All the persons are facing inside-  
B is 2nd to the left of C. A sits opposite to B. One person sits between A and H.  
Two persons sit between H and G. G is not neighbor of A. D is 2nd to the left of G.  
F is not neighbor of H.  
Hence, option B.
95. The budget of Rajnagar is not more than 55 lakhs and all fast bowlers must be included in the team. So, Q, R and T are selected in this team.

$$Q + R + T = 7 + 8 + 6 = 21 \text{ lakhs}$$

At least two batsmen are selected and a keeper must include.

So, suppose A, B and C are selected. Total budget =  $A + B + C = 10 + 9 + 8 = 27$  lakhs.

Between D and P one will be selected.  $21 + 27 = 48$  lakhs

For D, budget =  $48 + 7 = 55$  lakhs.

For P, budget =  $48 + 9 = 57$  lakhs

So final selected players are Q, R, T, A, B, C and D D and T must be selected.

96. As P and S are not selected in the first match they must play in the second match so P must play along with S.
97. Based on the conditions two teams are possible:- First team- Q, R, T, D, B and C = 45 lakhs Second team- Q, R, T, P, C and D = 45 lakhs  
So player A is not playing in this team.
98. As all the batsmen are playing along with them P and S are also playing as they are not playing in the first match.  
 $A + B + C + D + P + S = 53$  lakhs  
Total budget of Mirgarh is not more than 60 lakhs. So R is not playing in this team.
99. Neither statement has seen any corroboration for why it is happening making option [d] the best suited option.
100. The last line clearly states activists disunity and local indifference as reasons for the rape of Indian architectural wealth. Hence, the environment created by this is ideal for antique dealers to strive in India.
101. Here you might get tempted to fill out option A as it seems quite genuine. But to seek consultation the company will first need to hire the Consultancy Firm which will increase the expenditure wherein now they need to focus upon paying their Employees first.
102. VVPAT means Voter Verifiable Paper Audit Trail. This system will help people to see that the vote is been casted as per their desire and this will increase transparency. The word 'verifiable' tell us that option D is the correct option.
103. F is the shortest in the group.
- E is only taller than C and F. So E is 3rd shortest. B is taller than A and E and D is taller than B. So we get  $D > B > A/E$ . D must be tallest.

- Only one person lighter than A and we know that B is lighter than A. So B must be lightest.
  - D is heavier than C and E but not the heaviest. Then F must be heaviest.
  - Not more than two persons are heavier than C. So C must be 3rd heaviest and E must be 4th heaviest.
  - The number of person is heavier than F is same as shorter than him. No one is heavier than F so F must be shortest also.
- Here is the final table:

104. F is the heaviest in the group.

- E is only taller than C and F. So E is 3rd shortest. B is taller than A and E and D is taller than B. So we get  $D > B > A/E$ . D must be tallest.
  - Only one person lighter than A and we know that B is lighter than A. So B must be lightest.
  - D is heavier than C and E but not the heaviest. Then F must be heaviest.
  - Not more than two persons are heavier than C. So C must be 3rd heaviest and E must be 4th heaviest.
  - The number of person is heavier than F is same as shorter than him. No one is heavier than F so F must be shortest also.
- Here is the final table:

105. Three persons are lighter than C.

- E is only taller than C and F. So E is 3rd shortest. B is taller than A and E and D is taller than B. So we get  $D > B > A/E$ . D must be tallest.
  - Only one person lighter than A and we know that B is lighter than A. So B must be lightest.
  - D is heavier than C and E but not the heaviest. Then F must be heaviest.
  - Not more than two persons are heavier than C. So C must be 3rd heaviest and E must be 4th heaviest.
  - The number of person is heavier than F is same as shorter than him. No one is heavier than F so F must be shortest also.
- Here is the final table:

106. Step 1: Take word and number both, in which word and number are arranged in descending order and last letter of word is increases by 1 value that is C change to D. Remaining letter of the word is increase by 2 values and number is multiply by 2.  
 Step 2: After arrange in descending order when we comes to second word, last letter of word is increases by 2 values means A changes to C and remaining letter is increase by 3 values. Number is multiply by 3.  
 Step 3: After arranging in descending order when we comes to third word, last letter of word is increases by 3 values means A changes to D and remaining letter is increase by 4 values. Number is multiply by 4.  
 Step 4: After arranging in descending order when we comes to fourth word, last letter of word is increases by 4 means A changes to E and remaining letter is increases by 5 values. Number is multiply by 5  
 Input: olpj 21 htpl 34 tnjg 56 67 bnmc  
 Step 1: vplh 134 olpj 21 htpl 34 56 bnmc  
 Step 2: rosl 168 vplh 134 21 htpl 34 bnmc  
 Step 3: lxto 136 rosl 168 vplh 134 21 bnmc  
 Step 4: gsrq 105 lxto 136 rosl 168 vplh 134
107. Input: olpj 21 htpl 34 tnjg 56 67 bnmc  
 Step 1: vplh 134 olpj 21 htpl 34 56 bnmc  
 Step 2: rosl 168 vplh 134 21 htpl 34 bnmc  
 Step 3: lxto 136 rosl 168 vplh 134 21 bnmc  
 Step 4: gsrq 105 lxto 136 rosl 168 vplh 134
108. Input: olpj 21 htpl 34 tnjg 56 67 bnmc  
 Step 1: vplh 134 olpj 21 htpl 34 56 bnmc  
 Step 2: rosl 168 vplh 134 21 htpl 34 bnmc  
 Step 3: lxto 136 rosl 168 vplh 134 21 bnmc  
 Step 4: gsrq 105 lxto 136 rosl 168 vplh 134
109. Input: olpj 21 htpl 34 tnjg 56 67 bnmc  
 Step 1: vplh 134 olpj 21 htpl 34 56 bnmc  
 Step 2: rosl 168 vplh 134 21 htpl 34 bnmc  
 Step 3: lxto 136 rosl 168 vplh 134 21 bnmc  
 Step 4: gsrq 105 lxto 136 rosl 168 vplh 134
110. B=1, C=2, D=3, F=4, G=5, H=6, J=7, K=8 L=1, M=2, N=3, P=4, Q=5, R=6, S=7, T=8  
 V=1, W=2, X=3, Y=4, Z=5  
 'P h i l a t e l i s t'

By applying condition 2 here: 46%1\*8V1R78 → 46%1\*811678

111. B=1, C=2, D=3, F=4, G=5, H=6, J=7, K=8 L=1, M=2, N=3, P=4, Q=5, R=6, S=7, T=8  
V=1, W=2, X=3, Y=4, Z=5  
'MUSIC BITE' 'MUSIC'  
By applying condition 5 'MUSIC' → M I S U C 2 R 7 F 2 → 26742 'BITE'  
By applying condition 5  
'BITE' → B E T I 1 V 8 R → 11 86
112. B=1, C=2, D=3, F=4, G=5, H=6, J=7, K=8 L=1, M=2, N=3, P=4, Q=5, R=6, S=7, T=8  
V=1, W=2, X=3, Y=4, Z=5  
'your fairy tales' 'Y o u r' → 4 o u 6  
By applying condition 3  
4 o u 6 → 4 u o 6 → 4 l f 6 → 4146 → 4366 = 19  
'Fairy' → 4 a i 6 4 By applying condition 3  
4 a i 6 4 → 4 i a 6 4 → 4 r z 6 4 → 46564 → 48764 = 29  
'Tales' → 8 a 1 e 7 By applying condition 5  
8 a 1 e 7 → 8 e 1 a 7 → 8 v 1 z 7 → 8115 = 15  
19 + 29 + 15 = 63
113. We can not predict the age of W when X age is given because which one is younger or elder is not given in condition.
116. The government set up a ministerial panel, led by finance minister Arun Jaitley, to consider and oversee mergers among the country's 21 state-run banks.
117. Rajiv Mehrishi, the Comptroller and Auditor General of India (CAG) has authored an e-book 'India 2017 Yea Book' on current affairs in India. It is recently launched in Rajasthan.
118. Commonwealth Games 2018 will be held in Gold Coast, Australia from April 4 to April 15 2018.  
Hence, option B is correct.
119. Under the Union Budget 2017, provision under MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) has been increased to Rs. 48000 crores in 2017-18 against Rs. 38,500 crores in 2016-17, i.e. the highest ever.
120. Amnesty International is a non-governmental organization focused on human rights with over 7 million members and supporters around the

world. Headquarter of Amnesty International is at London, United Kingdom.

121. England has won the '2017 FIFA Under-17 World Cup' by defeating European Champions Spain at Salt Lake stadium in Kolkata. England's goal-machine Rhian Brewster won the golden boot.
122. Society The Society for Worldwide Interbank Financial Telecommunication (SWIFT) provides a network that enables financial institutions worldwide to send and receive information about financial transactions in a secure, standardized and reliable environment.
123. There were six agreements signed between India and Italy during the two days visit of Italy PM. Paolo Gentiloni is the current prime minister of Italy.
124. It is released as part of the World Bank's annual report titled Doing Business 2017: Equal Opportunity for All. It was introduced in 2004. The ranking of country is based on index averages the country's percentile rankings on 10 indicators each having equal weightage.
125. The World Economic outlook, a survey conducted and published by International Monetary Fund (IMF). It is published biannually and partly updated two times a year.
126. Reserve Bank of India (RBI) has formed a High-level Task Force on Public Credit Registry (PCR) for India which will be headed by Yeshwant M. Deosthalee.
127. An oligopoly is an economic market whereby a small number of companies or countries generate and control the entire supply of a good or service. Economies of scale is a term that refers to the reduction of per-unit costs through an increase in production volume. This idea is also referred to as a diminishing marginal cost.
128. Regulating and controlling the business on stock markets. Registration of brokers and sub-brokers is the major function of Securities and Exchange Board of India (SEBI)
129. The loan-to-value (LTV) ratio is a financial term used by lenders to express the ratio of a loan to the value of an asset purchased. The term is commonly used by banks and building societies to represent the ratio of the first mortgage line as a percentage of the total appraised value of real property.

130. India impose anti-dumping duty of up to \$168.76 per tonne on imports of a chemical, mainly used in textile and packaging industry, from five countries including China and Iran to protect domestic players. The Directorate General of Anti-Dumping and Allied Duties (DGAD) has recommended the duty up to \$168.76 per tonne, which is imposed by the Finance Ministry.
131. The Kisan Credit Card (KCC) scheme is a credit scheme prepared by the National Bank for Agriculture and Rural Development (NABARD) on the recommendations of R.V.GUPTA to provide term loans and agricultural needs.
132. The Union Government has announced Bank Recapitalisation plan to infuse Rs. 2.11 lakh crore capital over next two years into public sector banks (PSBs). Under this plan, PSBs will get Rs 1.35 lakh crore from the sale of Recapitalisation Bonds, Rs 18,000 crore from Budgetary provisions and remaining Rs 58,000 crore will be raised through sale of share of banks.
133. MV Sridhar, former GM of cricket operations in the Board of Control for Cricket in India (BCCI), has died at the age of 51.
134. The International Weightlifting Federation (IWF), headquartered in Budapest, Hungary. It is the international governing body for the sport of Olympic weightlifting.
135. The 44th G7 summit will be held on June 8–9, 2018 at Le Manoir Richelieu in La Malbaie, Quebec, Canada. The 43rd G7 summit was held in Sicily, Italy. The Group of Seven (G7) is an informal bloc of industrialized democracies—Canada, France, Germany, Italy, Japan, the United Kingdom, and the United States—that meets annually to discuss issues such as global economic governance, international security, and energy policy.
136. The City Union Bank Limited is an Indian bank. The Kumbakonam Bank Limited, as it was at first called, was incorporated as a limited company on 31 October 1904. The headquarter of Citi Union Bank is located at Kumbakonam, Tamil Nadu.
137. Panna National Park is a national park located in Panna and Chhatarpur districts of Madhya Pradesh in India. Panna National Park is a Tiger reserve of India, at a distance of around 57 km from Khajuraho.
138. World Pneumonia Day is annually held on November



12 to raise awareness of pneumonia, promote prevention and treatment, and generate action to fight the illness.

The theme of this year (2017) is - "Stop Pneumonia: Invest in Child Health."

139. Bandhan Bank Ltd. is an Indian banking and financial services company headquartered in Kolkata, West Bengal. Bandhan, which started as a micro-finance company in 2001, received banking licence by Reserve Bank of India in 2014.
140. The maximum deposit allowed in India Post Payment Bank (IPPB) is Rs. 1 lakh. According to the guidelines, payments banks can open small savings accounts and accept deposits of up to Rs.1 lakh per individual customer and provide remittance services.
141. India's Sivalingam Sathish Kumar and Ragala Venkat Rahul qualified for next year's Commonwealth Games after winning a gold medal each in their respective weight divisions at the Commonwealth Senior (men & women) Weightlifting Championships in Gold Coast, Australia.
142. Dudhawa Dam is located in Dhamtari district of Chhattisgarh in India. The dam was built across the Mahanadi river in 1964.
143. Fugdi is the traditional folk dance of Goa which is performed by the women's in the Konkan region.
144. The Business Correspondents is paid by the Respective Banks. They represent the banks and get commission from bank for every new account opening, every transaction made by them or every loan processed etc.
145. A letter of credit is a letter from a bank guaranteeing that a buyer's payment to a seller will be received on time and for the correct amount. In the event that the buyer is unable to make payment on the purchase, the bank will be required to cover the full or remaining amount of the purchase.
146. Bharat QR Code will make use of QR codes system for payments across merchant outlets. Scanning the QR code through your mobile will help in transferring money from one source to another. Payments made through QR code will directly get transferred to the bank accounts unlike other digital wallet where payments are received from e- mails.

147. The slowdown in the rate of increase of prices of goods & services in National GDP over time is called Disinflation.
148. The transaction in which bank guarantees the payment in case of damage or financial loss and accepts financial risk & liability is known as Underwriting.
149. Full form of AMRUT is Atal Mission for Rejuvenation and Urban Transformation. The scheme was launched by Prime Minister Narendra Modi in June 2015 with the focus of the urban renewal projects is to establish infrastructure that could ensure adequate robust sewage networks and water supply for urban transformation.
150. The 'Tallinn' is the capital of Estonia. Kersti Kaljulaid is the President of Estonia. Euro is the currency of Estonia.
151. As per the Union Budget 2017, the Taxpayers who are earning between Rs.50 lacs to Rs.1 crore have to pay an additional surcharge of 10% on their total income.
152. According to the PWC World2050 report, the two largest economies in the world in 2050 will be China and India. The US could be down to third place in the global GDP rankings while the EU27's share of world GDP could fall below 10% by 2050.
153. Standing External Advisory Committee (SEAC) is set up by the Reserve Bank to evaluate license of Universal Bank in Private Sector.
154. Taxable event under GST is supply of goods and supply of services.
155. The main objective of the import substitution is to encourage domestic production by raising barriers against the import of goods from foreign economies.