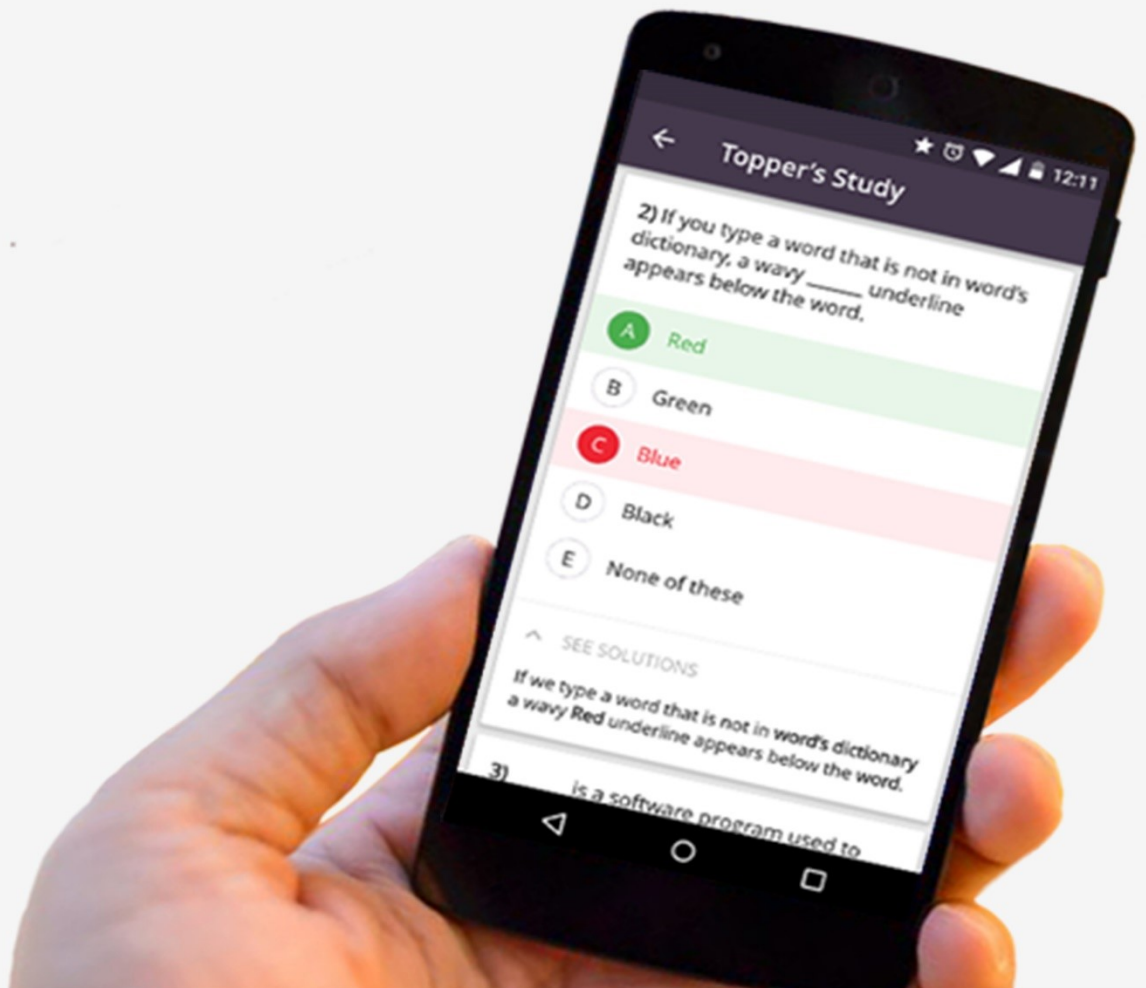![gradeup logo]

Syndicate Bank PO
Previous Year Paper

Direction (1-10): *Read the passage given below and answer the question that follow.*

Global warming is a gradual process of heating of earth's surface and whole environment including oceans, ice caps, etc. The global rise in atmospheric temperature has been clearly noticed in the recent years. According to the Environmental Protection Agency, in the past century there is increase in the earth's surface average temperature by around 1.4-degree Fahrenheit (means 0.8 degrees Celsius). It has also been estimated that global temperature may increase by another 2 to 11.5 degrees F in the next century. There are many causes of the global warming, some are natural causes, and some are human made causes. The most important cause of global warming is greenhouse gases which are generated by some natural processes as well as human activities. The increase in the level of greenhouse gases has been seen in the 20th century because of the increasing population, economy and use of energy. Increasing demand of industrialization in the modern world to fulfill almost each need is causing the release of variety of greenhouse gases through many industrial processes in the atmosphere.

The release of carbon dioxide (CO_2) and sulphur dioxide (SO_2) gas has been increased in the recent years by 10times. The release of carbon dioxide gas varies according to the natural and industrial processes including photosynthesis and oxidation cycles. Methane is another greenhouse gas release in the atmosphere by the anaerobic decomposition of organic materials. Other greenhouse gases are like oxides of nitrogen (nitrous oxide), halocarbons, chlorofluorocarbons (CFCs), chlorine and bromine compounds. Such greenhouse gases get collected to the atmosphere and disturb the radioactive balance of atmosphere. They have capability to absorb heat radiations and cause warming of the earth surface.

Another cause of global warming is ozone depletion means declination of ozone layer over Antarctica. Ozone layer is declining day by day by increasing release of chlorofluorocarbon gas. It is a human generated cause of global warming.

Chlorofluorocarbon gas is used at many places as aerosol propellants in the industrial cleaning fluids and in the refrigerators, the gradual release of which causes declination to the ozone layer in the atmosphere.

Ozone layer causes protection to the earth surface by inhibiting the harmful sun rays to coming to the earth. However, gradually declining ozone layer is the big indication of increasing global warming of the earth surface. Harmful ultraviolet sun rays are entering to the biosphere and get absorbed by the green houses gases which ultimately increase the global warming. According to the statistics, it has been estimated that the size of ozone hole has been twice the size of Antarctica (more than 25 million km2) by 2000. There is no any clear trend of ozone layer declination in the winter or summer seasons.

Presence of various aerosols in the atmosphere is also causing earth's surface temperature to increase. Atmospheric aerosols are fully capable to scatter (causes cooling to the planet) and absorb (makes air warm) the solar and infrared radiations. They are also capable to change the microphysical and chemical properties of the clouds and possibly their lifetime and extent. The increasing amount of aerosols in the atmosphere is because of human contribution. Dust is produced by agriculture, organic droplets and soot particles are produced by biomass burning, and aerosols are produced by the industrial processes through the burning of wide variety of products in the manufacturing process. Various emissions by means of transport generate different pollutants which get converted to the aerosols through many chemical reactions in the atmosphere.

The effects of global warming have been very clear in the recent years because of increasing sources of global warming. According to the U.S. Geological Survey, it has been recorded that there were 150 glaciers located in the Montana's Glacier National Park however because of increasing effect of global warming, only 25 glaciers are left. Huge level climate changes are making hurricanes more dangerous and powerful. Natural storms are getting so strong by taking energy from temperature difference (of cold upper atmosphere and warm Tropical Ocean). Year 2012 has been recorded as hottest year since 1895 and year 2013 together with 2003 as the warmest year since 1880.

Global warming causes lot of climate changes in the atmosphere such as increasing summer season, decreasing winter season, increasing temperature, changes in air circulation patterns, jet stream, rain without season, melting ice caps, declining ozone layer, occurrence of heavy storms, cyclones, flood, drought, and so many effects Many awareness programmes and programmes to reduce global warming have been run and implemented by the government agencies, business leaders, private sectors, NGOs, etc. Some of the damages through global warming cannot be returned by the solution (like melting of ice caps). However, we should not get back and try everyone's best to reduce the effects of global warming by reducing the human causes of global warming. We should try to reduce the emissions of greenhouse gases to the atmosphere and adopt some climate changes which are already happening for years. Instead of using electrical energy we should try using clean energy or energy produced by solar system, wind and geothermal. Reducing the level of coal and oil burning, use of transportation means, use of electrical devices, etc may reduce the global warming to a great level.

1. What are the harmful effects of ultra violet rays entering the atmosphere?
    A. UV rays deplete the ozone layer
    B. UV rays can increase the size of ozone hole
    C. UV rays are harmful for human skin
    D. UV rays get absorbed by greenhouse gases leading to global warming
    E. All of the above

2. Which of the following can be considered to be the worst impact of global warming?
    A. Changes in patterns of agriculture and growth of crops
    B. Increased pollutants in the atmosphere
    C. Average increase in the temperature of the earth
    D. Melting of the glaciers
    E. Anaerobic decomposition of organic materials.

3. How does the usage of greenhouse gases disturb the environment?
    A. Increase in temperature to decline ozone layer
    B. Melts the ice caps
    C. Increases winters and reduces summers
    D. Reduces aerosols
    E. leads to heavy storms

4. Why is the ozone layer depleting day by day?
    A. Increase in release of chlorofluorocarbon gas in Antarctica
    B. Increase in release of carbon dioxide gas in Antarctica
    C. Increase in release of carbon monoxide gas in America
    D. Increase in release of carbon dioxide gas in America
    E. None of these

5. What are the effects of the presence of various aerosols in the atmosphere?
    A. They cannot change the microphysical properties of the cloud
    B. Dust is produced by aerosols
    C. They absorb solar and infrared radiations
    D. Chemical reactions in atmosphere do not produce aerosols
    E. Aerosols are used for air purification

6. Which of the following does not determine the depletion of ozone layer?
    A. Use of CFCs
    B. Seasons or seasonal changes
    C. Presence of various aerosols in the atmosphere
    D. Increasing use of industrial cleaning fluids and in the refrigerators
    E. Both B and D

7. What are the ways to reduce global warming?
    A. Increase in use of CFC's
    B. Alter electrical energy by coal and oil burning
    C. Increase usage of clean energy
    D. Changes in air circulation pattern
    E. Changes in pressure of regions

8. According to the Environmental Protection Agency there is a increase in the earth's surface average temperature due to?
    A. Heating of earth's surface and melting of ice caps
    B. Global rise in atmosphere temperature.
    C. Infrared rays
    D. increase in population
    E. Greenhouse gases

9. Which of the following can be considered to be a true statement?
    A. The changes caused by global warming are irreversible and it is high time human beings should think deeply on the matter.
    B. The changes caused by global warming vary from region to region and all the effects can be reverted if people get aware of the solutions.
    C. Global warming has nothing to do with ozone depletion more in the summers and plays no role in causing the storms.
    D. Global warming has helped in creating less dangerous storms as often their directions get changed by it.
    E. Global warming causes more ozone depletion in the summer season and often makes certain aerosol substances more harmful.

10. Which of the following reasons have led to increase in the global warming from past few years?
    A. Increase in number of vehicles
    B. Greed of human being
    C. Deforestation
    D. Desertification
    E. Increase in green house gases

Direction (11-20): *In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage pod against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.*

Trust is a **(Q11)** relationship concept than need s clarification because researchers **(Q12)** disciplines have defined it in so many different ways. A typology of trust types would make it easier to **(Q13)** and communicate results and would be especially valuable. if the types of trust related to one another. The typology should be interdisciplinary **(Q14)** many disciplines research e-commerce. This paper **(Q15)** a parsimonious interdisciplinary typology and relates trust constructs to e-commerce consumer actions, defining both conceptual-level and operational-level trust constructs. Conceptual-level constructs consist **(Q16)** disposition to trust (primarily from psychology), institution-based trust (from sociology), and trusting **(Q17)** and trusting intentions (primarily from social psychology). Each construct is **(Q18)** into measurable sub constructs, and the typology shows how trust constructs relate **(Q19)** already existing Internet relationship constructs. The effects of Web vendor interventions on consumer behaviours are posited to be **(Q20)** mediated by consumer trusting beliefs and trusting intentions in the e-vendor.

11. Find out the appropriate word in each case.
    A. vital   B. close
    C. important   D. low
    E. proximate

12. *Find out the appropriate word in each case.*
    A. along   B. around
    C. across   D. above
    E. over and above

13. *Find out the appropriate word in each case.*
    A. compose   B. compare
    C. comparison   D. comparing
    E. spare

14. *Find out the appropriate word in each case.*
    A. but   B. that
    C. which   D. because
    E. as if

15. *Find out the appropriate word in each case.*
    A. justifies   B. clarifies
    C. denies   D. regards
    E. registers

16. *Find out the appropriate word in each case.*
    A. 1   B. of
    C. for   D. with
    E. by

17. *Find out the appropriate word in each case.*
    A. disbeliefs   B. beliefs
    C. ways   D. means
    E. measures

18. *Find out the appropriate word in each case.*
    A. decomposed   B. decomposing
    C. deposed   D. divided
    E. distributed

19. *Find out the appropriate word in each case.*
    A. with   B. in
    C. by   D. of
    E. to

20. *Find out the appropriate word in each case.*
    A. partially   B. legally
    C. generally   D. illegally
    E. gradually

Directions (21-25): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph: then answer the questions given below them.
(A) Expansion of retail banking especially has a lot of scope, since retail assets are Just 22 percent of the total banking assets.
(B) Where they do not find it viable to open branches they may open satellite offices in these areas.
(C) There is tremendous scope for the expansion of banking in India.
(D) Banks can also diversify beyond cities to semi urban and rural areas.
(E) In these ways a transition from class banking to mass banking can take place.
(F) They can also collaborate with local stakeholders in order to extend microcredit services to those living there.

21. Which of the following should be the **THIRD** sentence after rearrangement?
    A. B   B. C
    C. D   D. E
    E. F

22. Which of the following should be the **FIRST** sentence after rearrangement?
    A. A   B. B
    C. C   D. D
    E. E

23. Which of the following should be the **FIFTH** sentence after rearrangement?
    A. B   B. C
    C. D   D. E
    E. F

24. Which of the following should be the **SIXTH (LAST)** sentence after rearrangement?
    A. A   B. B
    C. C   D. D
    E. E

25. Which of the following should be the **SECOND** sentence after rearrangement?
    A. A   B. B
    C. C   D. D
    E. E

26. **Direction:** In the following question, a part of the sentence is printed in bold. Below the sentence alternatives to the bold part are given at (A), (B), (C) and (D) which may help improve the sentence. Choose the correct alternative. In case the given sentence is correct, your answer is (E) i.e. No correction required.

    The fraud comes at a time when the unregulated microfinance industry is facing a crisis **on its way of** high-interest rates and low repayment of loans.
    A. because manner of   B. since ways are
    C. by way of   D. in the way of
    E. No correction required

27. Which of the phrases (1), (2), (3) and (4) given below should replace the phrase given in **bold** in the following sentence to make the sentence grammatically meaningful and correct? If the sentence is correct as it is and No correction is required' mark (5) as the answer.

    As soon as she opened the umbrella, a scorpion **fell about of** it
    A. fell up from   B. fell off from
    C. fell out off   D. fell from off
    E. No correction required

28. **Direction:** Which of the phrases A, B, C, and D can replace the part printed in bold in the sentence? If the given sentence is correct as it is, mark E i.e. no correction required as the answer.

    The next stage for the Indian banking has been set up, with proposed relaxation **of normal** for foreign direct investment.
    A. To norms   B. In normal
    C. Of norms   D. By normal
    E. No correction required

29. **Direction:** In the given question, a part of the sentence is underlined. Alternatives to the underlined part are given which may make the sentence grammatically meaningful and correct. Choose the correct alternative.

    It is difficult to diagnose malaria because its first symptoms are similar to any viral fever.
    A. Are similar to any fever
    B. Are similar to those of any viral fever
    C. Is similar to those of any other viral fever
    D. Are similar to those of any viral fevers
    E. Are same as all fevers

30. **Directions:** In each question a part of the sentence is printed in bold. This part may be either wrongly spelt, inappropriate in the context of the sentence or grammatically incorrect. If all the words printed in bold are correctly spelt, appropriate in the context of the sentence and grammatically correct mark 'No correction required' as your answer.

    Necessity being the mother of invention, he resourcefully modifies the Rover to go on long drives even though **it have originally designed for short one.**
    A. it has originally have been designed for short one
    B. it has originally been designed for short ones
    C. it has originally was designed for short ones
    D. it has originally has been designed to short one
    E. No correction required.

31. **Direction:** Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the given sentence is correct as it is, the answer is (5) i.e. No error. Ignore the errors of punctuation, if any.

    Several psychologists suggest that people who are self-confident are more willing to examine (1)/ evidence that both supports and contradicts their attitudes (2)/ though people who are less self-confident about their perspective and are (3)/ more defensive about them may prefer proattitudinal information over materials that challenge their perspectives. (4)
    A. 1   B. 2
    C. 3   D. 4
    E. No error

32. **Direction:** *Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, the answer is 'No error'. Ignore the errors of punctuation, if any.*

    India needs an education system who is not/ driven by politics and children from all/ the states and families have the same opportunity/ to have education./ No error
    A. India needs an education system who is not
    B. driven by politics and children from all
    C. the states and families have the same opportunity
    D. to have education
    E. No error

33. **Direction:** *In the given question, some parts of a sentence are given, find the part which does not contribute to the main theme and the idea of the passage and rearrange the remaining parts to make a coherent paragraph. If the given sentence is correct as it is then, choose option (E). If the sequence is the one which is not given, then choose option (D) as your choice.*

    In a way that acknowledges women's role, (A)/ as social and biological reproducers of society, (B)/ finding the means in law to take women into account, (C)/ remains a fundamental challenge to activism in this arena, (D)/ women's body integrally and sexually autonomic (E)
    A. CABD   B. AEBC
    C. CADB   D. None of these
    E. No correction required

34. **Direction:** In the given question, some parts of a sentence are given, find the part which does not contribute to the main theme and the idea of the passage and rearrange the remaining parts to make a coherent paragraph. If the given sentence is correct as it is then, choose option (E). If the sequence is the one which is not given, then choose option (D) as your choice.

    Significant reform to the country's existing law, (A)/ seen by many as a potentially, (B)/ the move sparked a spontaneous debate (C)/ which permits abortion only to save a woman's life, (D)/ an unaccepted pregnancy doesn't account for (E)
    A. BADE   B. BADC
    C. BAED   D. None of these
    E. No correction required

35. **Direction:** In the given question, some parts of a sentence are given, find the part which does not contribute to the main theme and the idea of the passage and rearrange the remaining parts to make a coherent paragraph. If the given sentence is correct as it is then, choose option (E). If the sequence is the one which is not given, then choose option (D) as your choice.

    When incidents of lynching and abuse of black people, (A)/ stage for comic effect and profit is to ignore the lived, (B)/ on the streets of India are common, the use of blackface on, (C)/ reality of oppression, just for an evening of casual humor, (D)/ in lieu of what has been done with them since times immemorial (E)
    A. BDAC   B. ACBD
    C. BDCE   D. None of these
    E. No correction required

36. **Direction:** In the following question, four words are given, of which, one word may be wrongly spelt. If all the four words are correctly spelt, mark 5). i.e. "All correct", as the answer.
    A. Prodigious   B. Heteroclite
    C. Flambouyant   D. Absurd
    E. All are correct.

37. **Directions:** In the following question, four words are given, of which, one word may be wrongly spelt. If all the four words are correctly spelt, mark 5). i.e. "All correct", as the answer.

    A. Sparce   B. Outlandish
    C. Eccentric   D. Bizarre
    E. All are correct.

38. **Directions:** In the following question, four words are given, of which, one word may be wrongly spelt. If all the four words are correctly spelt, mark 5). i.e. "All correct", as the answer.

    A. Deteriorate   B. Pauperize
    C. Flounder   D. Conive
    E. All are correct

39. **Directions:** In the following question, four words are given, of which, one word may be wrongly spelt. If all the four words are correctly spelt, mark 5). i.e. "All correct", as the answer.

    A. Solemnness   B. Bequest
    C. Lethargy   D. Liturgy
    E. All are correct

40. **Directions:** In the following question, four words are given, of which, one word may be wrongly spelt. If all the four words are correctly spelt, mark 5). i.e. "All correct", as the answer.

    A. Accroach   B. Commandeer
    C. Exproprate   D. Vorasity
    E. All are correct.

41. **Direction:** Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.

    A) The digital village programme encompasses digitisation of _____and other commercial activities, besides providing vocational training, credit facility and market linkage to help villagers earn a sustainable livelihood.

    B) The company is looking at generating _____ volume of approx. US$ 10 billion in the next four years with the enhanced range of its own products and that powered by Visa," ItzCash said in a statement.

    A. Revenue.   B. Investments.
    C. Savings.   D. Transaction.
    E. Interest.

42. **Direction:** Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.

    A) Some retailers are beginning to realize that they can get much better results by using their _____systems to run experiments.

    B) _____ technology influences the way we organise various economic sectors in a very profound way already.

    A. Distribution.   B. Digital.
    C. Science.   D. Production.
    E. Communication.

43. **Direction:** Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.

    A) The company is working on a transdermal _____that reads blood analysts through the skin without drawing blood.

    B) A single-use, in vitro_____ for the detection of T-Tau protein in phosphate-buffer saline (PBS) and undiluted human serum was designed, manufactured, and tested.

    A. Remote.   B. Sensor
    C. Biosensor.   D. Automation.
    E. Robot

44. **Direction**: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.

    (A) China, for instance, with its steadily rising _____ on the global economy, has grown to be the focal point for economies seeking alternative sources of capital to fund their long-term growth needs.

    (B) The Asian Infrastructure Investment Bank, launched in 2014, could be an even bigger threat to the IMF's _____ given its larger membership, lending capacity and international reach.

    A. Culpability   B. Ascendancy
    C. Envoy   D. Bulwark
    E. Deism

45. **Direction**: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.

    (A) Education must enable one to sift and weigh evidence, to discern the true from the false, the real from the unreal, the _____ from the impartial and the facts from the fiction.

    (B) The developing world is looking beyond the short-term crisis management tools that the IMF, as the sole international lender of last resort, has traditionally offered them for decades now — albeit in an unsatisfactory and politically _____ way.

    A. Immanent   B. Moniker
    C. Blinkered   D. Quixotic
    E. Ennui

46. **Direction:** In each of the following questions a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent (coherent means logically complete and sound).

    In international law, states exercise sovereignty over their territories. There is no requirement that the territory must be or lacking proximate. Such are termed as enclaves. The situation can be further complicated by an enclave within an enclave (counter-enclave) or even an enclave within a counter-enclave. Any state has a near-absolute right to restrict or regulate transportation in its territory. This results in practical difficulties _____.

A. Being surrounded by the territory of another state, the residents of an enclave cannot travel to their 'home state' without crossing international borders and obtaining the necessary permission for the same

B. Governmental agencies of the home state cannot access the enclave, the permission of the state that surrounds the enclave.

C. The practical and legal difficulties in accessing enclaves can render sovereignty over them illusory

D. The home state has practically no sovereignty over such enclaves.

E. But with proper understanding of the enclaves it can be implemented causing another well deserved riot.

47. **Direction**: A short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent (coherent means logically complete and sound).

The American Psychiatric Association describes personality as "the unique psychological qualities of an individual that influence a variety of characteristics behavior patterns, both overt and covert, across different situations and over time". A more home-grown definition of personality would be something like, "It's who I think I am, and who others think I am". As may be evident, the term personality really refers to a set of consistently extant thoughts, beliefs and perceptions in our minds, that together result in a relatively stable pattern of behavior that distinguishes us from the next person _____.

A. Going by this definition, the term 'personality' is used, and often abused, in several different ways

B. What is implicit in this definition is that one's personality traits don't change from one day to the next.

C. This means our "core traits" remain imperviously obdurate to our life experiences.

D. This means we are unlikely to change over time.

E. This means that as time goes on under special circumstances we can change.

48. **Direction:** In each of the following questions a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent (coherent means logically complete and sound).

Shopping, in other words, is not just buying things. It is something we are doing with unprecedented energy and devotion. Consumerism is the new religion of modern India and malls have become its cathedrals. The religious parallel is precise these malls have naves, aisles, arcades and even domes. The transmutation the society is witnessing presents man as the evolving shopping freak, shouldering the fairer sex with utmost panache _____

A. They can, feel the merchandise calling out to them, entreating them to choose the right path and make the right choices

B. Consumerism has affected everyone from kids to the elderly

C. Hooked on the phenomenon, it gives them a sense of power, pampering their mountain high

D. These commercial havens serve as battlegrounds for the international brands

E. Because of this, it causes a need for a better income so as to satisfy ones thirst for consumerism.

49. **Direction:** A short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent (coherent means logically complete and sound).

When you get angry, you can feel the anger rising in your body. It's important to recognise the feeling, to remember what happened the last time it occurred Perhaps you blew up, refused to forgive, and the situation got worse. If you see something has happened, calm down and think about it. But don't over-obsess. If you have harsh standards about what is right and wrong, you can have a tendency to go over and over an error in judgment or a perceived slight _____

A. The ability to forgive needs a certain amount of maturity.

B. While true forgiveness is hard, pretending to forgive is easy.

C. You should learn to modify your temper.

D. You really add to the problem by too much rumination.

E. This temper if not controlled can cause a lot of issues in your personal as well as professional life.

50. **Direction**: In each of the following questions a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent (coherent means logically complete and sound).

India is the largest democratic country in the world. It is not possible for all the people in a big country like India to participate in the government. This is why they are required to exercise their franchise and elect their representatives at regular intervals. _____

A. But the people which participate in the election of their representatives must be educated enough to see what is good for them and who will be the right people to represent them.

B. Even to-day, after so many years, the people in India are not very much different, for many of them are illiterates.

C. in democracy the people are the ultimate source of power and its success and failure depend on their wisdom, consciousness and vigilance.

D. Democracy is considered the finest form of government in which every individual participates consciously and in which the people remain the sovereign power determining their destiny.

E. These representatives from the parliament legislate and form responsible government.

51. **Directions:** Each of the questions below consists of a question and statements given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the statements and give the answer.

On which day of the week did Atul reach Bombay?
(1) Atul reached Bombay on 16th July.
(2) Atul reached Bombay a day before Sudha.
(3) Sudha reached Bombay on a Friday.
(4) 25th July is a Saturday.
Options:
A. Only (1) is sufficient
B. (1) and (4) are sufficient
C. (1), (2) and (4) are sufficient
D. (1), (3) and (4) are sufficient
E. Still more data needed

52. **Directions:** Each of the questions below consists of a question and two statements numbered I, and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the two statements and give answer.

Who is brother in law of Sheetal?
I. Sheetal is married to brother of Rekha. Rita is daughter of Sheetal.
II. Rohit and Raju are the two brothers of Rekha. Only Rohit has no child.
A. Data in statements I sufficient to answer the question while the data in statement II are not required to answer the question.
B. Data in statements II sufficient to answer the question, while the data in statement I are not required to answer the question
C. Data in statements either I or II are sufficient to answer the question.
D. Data in neither statement I nor statement II or statement are sufficient to answer the question.
E. Data in both statement I and II together are necessary to answer the questions.

53. Three statements are given below. After analysis these statements find the correct alternative out of five alternatives given below: -
Statement I: Eight friends Sonu, Ram, Shyam, Ajay, Mohan, Sohan, Vijay and Rohan are sitting in a circle. Some of them are facing outside and rests are facing inside. They belong to different professions, which includes doctor, engineer, advocate, artist, singer, scientist, politician and cricketer. Shyam is not a doctor and sitting opposite to a scientist.
Statement II: Sonu is sitting second to the left of Shyam. A singer is sitting opposite to Sonu. The scientist and engineer are facing in the same direction. Vijay is sitting between politician and advocate. Mohan is opposite to Sonu and facing inside the circle.
Statement III: Rohan is sitting third to right of Mohan. Ram is a doctor. Sohan is an advocate. Ajay is an artist and facing outside the circle. Ram is sitting second to the left of Ajay. Shyam is facing outside. Sonu is a cricketer.
What is the position of doctor with respect to Rohan?

A. If only Statement I is sufficient to answer the question.
B. If statements I and III are sufficient to answer the question.
C. If statements II and III are sufficient to answer the question.
D. All statements together are not sufficient to answer the question.
E. All statements together are required to answer the question.

54. Directions: Study the following information carefully and answer the questions given below:
In the following questions, there is one question and three statements given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question. Choose the correct alternative in each question.
How is the person in the photograph related to Ankit?
I. Pointing to the photograph, Ankit said, "She is the mother of my mother's only grandson".
II. Pointing to the photograph, Ankit said, "She is the daughter-in-law of my father."
III. Ankit has no siblings but has a son.
A. Only I   B. Only II
C. Only I and III   D. Only II and III
E. III and either I or II

55. Directions: Study the following information carefully and answer the questions given below:
In the following questions, there is one question and three statements given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question. Choose the correct alternative in each question.
In which direction is M with respect to N?
I. G is to the east of L. M is to the north of G, which is to the west of F
II. N is between G and L
III. N is to the south-east of L
A. Only I
B. Only I and II
C. Only I and III
D. Only II and III
E. Only I and either II or III

Direction (56-60): *In the following questions, the symbol @, $, #, * and % are used with the following meaning as illustrated below:*

'A $ B' means 'A is not smaller than B.'
'A * B' means 'A is neither greater than nor equal to B.'
'A # B' means 'A is neither smaller than nor equal to B.'
'A % B' means 'A is not greater than B.'
'A @ B' means 'A is neither greater than nor smaller than B.'
Now in each of the following questions assuming the statements to be true, find which of the four

conclusions I, II, III and IV given below them is / are definitely true and give answer accordingly.

56. **Statements:**
R#J, J$D, D@K, K%T
Conclusions:
I. T#D
II. T@D
III. R#K
IV. J$T
A. Only either I or II is true
B. Only III is true
C. Only III and IV are true
D. Only either I or II and III are true
E. Only IV is true

57. **Statements:**
T%R, R$M, M@D, D*H
Conclusions:
I. D%R
II. H#R
III. T*M
IV. T%D
A. Only I is true
B. Only I and IV is true
C. Only I and II are true
D. Only II and IV are true
E. None of these

58. **Statements:**
M@B, B#N, B$R, R*K
Conclusions:
I. K#B
II. R*B
III. M$R
IV. N*M
A. Only I and III are true
B. Only I and II are true
C. Only III and Iv are true
D. Only II, III and IV are true
E. Only II is true

59. **Statements:**
F#H, H@M, M*E, E$J
Conclusion:
I. J*M
II. E#H
III. M*F
IV. F#E
A. Only I and II are true
B. Only II and III are true
C. Only I, II and III are true
D. Only II, III and IV are true
E. Only III is true

60. **Statements:**
D%A, A@B, B*K, K%M
Conclusions:
I. B$D
II. K#A
III. M#B
IV. A*M
A. Only I, II and IV are true
B. Only I, II and III are true
C. Only II, III and IV are true
D. Only I, III and Iv are true
E. All I, II, III and IV are true

Direction (61-65): *Study the following information and answer the questions.*

'Smart and hard work' is written as 'ghr mkc rul stp'
'hard of luck lost' is written as 'tlg zmq akv ghr'
'more work luck follows' is written as 'djp rul zmq pnr'
'follows to become smart' is written as 'brx hto djp stp'

61. What does the code 'tlg' stand for in the given code language?
A. and
B. Either 'of' or 'lost'
C. more
D. to
E. either 'luck' or 'more'

62. Which of the following may possibly represent 'become to' in the given code?
A. zmq hto
B. btw zmq
C. hto cox
D. brx hto
E. brx djp

63. What is the code for 'smart' in the given code language?
A. stp
B. Either 'mkc' or 'rul'
C. ghr
D. djp
E. mkc

64. What is the code for 'work' in the given code language?
A. stp
B. ghr
C. rul
D. akv
E. zmq

65. Which of the following may represent 'Follows rules hard' in the given code language?
A. fsd ghr djp
B. djp mkc ghr
C. ghr pnr stp
D. ghr fsd mkc
E. xsw djp akv

66. **Directions:** In each question below are three statements followed by three conclusions numbered I, II and III. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three given statements disregarding commonly known facts. Then decide which of the answers (1), (2), (3), (4) and (5) is the correct answer and indicate it on the answer sheet.
Statements: No room is house. No house is building. Some buildings are huts.
Conclusions:
I. Some huts are rooms.
II. Some huts are houses.
III. Some huts are buildings.
A. Only I follow
B. Only II follows
C. Only III follows
D. None follows
E. All follow

67. **Direction**: In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
Statements:

a) All doors are chairs.
b) Some Windows are Tables.
c) Some chairs are windows.
Conclusions:
I. No Chair is a table.
II. All Doors are windows.
III. Some Doors can be windows.
IV. Some chairs are Tables.

A. None follows except I
B. None follows except II
C. None follows except III and I or IV
D. More than one follows
E. None follows

68. **Direction**: In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:
a) Some marks are grades.
b) No grade is a score.
c) All scores are letters
Conclusions:
I. Some grades are letters.
II. At least some scores are marks.
III. At least some marks are letters.
IV. Some letters being grades is a possibility.

A. (i) & (ii) follows   B. (i) & (iii) follows
C. (iii) follows   D. (iv) follows
E. none of these

69. **Direction**: In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:
a) All Jobs are work.
b) All Works are trade.
c) No trade is a contract.
Conclusions:
I. At least some works are jobs.
II. No contract is a work.
III. Some work is a contract.
IV. At least some contracts are jobs.

A. All follow   B. Only II follows
C. Only I and II follow   D. None follows
E. II and III follows

70. **Direction**: In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically does not follows from the given statements disregarding commonly known facts.

Statements:
a) Some Earths are planets.
b) Some Pluto is Sun.
c) No earth is a Sun.
Conclusions:
I. Some planets are Pluto is a possibility.
II. No Sun is a planet.
III. No Pluto is a planet.
IV. Some earths are Pluto.
A. I & III does not follow
B. II & IV does not follow
C. II & III does not follow
D. II, III & IV does not follow
E. none of these

71. **Direction:** For the assertion (A) and Reasons (R), choose the correct alternative from the following.
Assertion: The Y2k problem had the entire computer industry in a fix towards the end of the 20th century
Reason: The Y2k problem emerged due to the fact that the date field in computers had only two digits.
A. Both A and R are true and R is the correct explanation of A
B. Both A and R are true but R is not the correct explanation of A
C. A is true but R is false
D. A is false but R is true.
E. If both A and R are false

72. Before the arrival of new trainer, the sales output in AMS learning system Ltd. had been rising by 20% per year on the average over the past ten years. However, after new training innovations by the trainer (which included computerization of training processes and reduction in the need for additional work force) annual sales output has only risen by 10% this year. It appears that Joe's innovation has caused the reduction in the annual growth rate.
Which of the following, if true, would most seriously weaken the conclusion above?
A. The investment in computerization has a provision for depreciation of the cost of the computers
B. Increases in selling price did not follow increases in the cost of the inputs.
C. The innovation brought in by the new trainer were intended as long term investments and not made for short term profit growth.
D. General demand for the training provided by the company has declined.
E. None of these

73. **Directions:** In each question below are given a statement followed by two assumptions/inferences numbered I and II. An assumption is something supposed or taken for granted and an inference is something which can be directly inferred from the given facts. You have to consider the statement and the following assumptions/inferences and decide which of those is/are implicit in the statement.
Statement: In city Z, people prefer to buy Car X instead of Car Y as Car X has German technology which is very advanced.

I. Cars with German technology are perceived to be better than other cars in city Z.
II. Had German technology been present in Car Y also, its sales would have crossed car X's sales.
A. Only I is implicit
B. Only II is implicit
C. Either I or II is implicit
D. Neither I nor II is implicit
E. Both I and II are implicit

74. **Directions:** In question below is given a statement followed by three assumptions (A), (B) and (C). An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.
Statement: The airlines have requested all their bona fide passengers to check the status of flight operations before leaving their homes as heavy fog is causing immense problems to normal flight operations.
Which of the following assumption(s) is/are implicit in the above statement?
(A) The majority of the air passengers may check the flight status before starting their journey to the airport.
(B) The Government may take serious objection to the notice issued by the airline company.
(C) Majority of the passengers may cancel their tickets and postpone their journey till the situation becomes normal.
A. None is implicit   B. Only (A) is implicit
C. Only (B) is implicit   D. Only (C) is implicit
E. Only (A) and (C) are implicit

75. **Directions:** In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.
Statement: Using calculator for simpler calculations adversely affects mathematical abilities of Children.
Assumptions:
I. Using calculator for complex calculations may not affect mathematical abilities adversely.
II. Complex calculations cannot be done manually without the help of a calculator.
A. Only I is implicit
B. Only II is implicit
C. Either I or II is implicit
D. Neither I or II is implicit
E. Both I and II are implicit

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

Statement A huge truck overturned on the middle of the main road and blocked most part of the road causing a huge traffic jam.
Courses of action
I. The traffic department should immediately deploy its personnel to divert traffic through other roads.
II. The traffic department should immediately send men and equipment to move the truck and clear the road.
A. Only course of action I follows.
B. Only course of action II follows.
C. Either course of action I or II follows.
D. Neither course of action I or II follows.
E. Both course of action I and II follows.

77. **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 strive in India.
E. None of these

78. **Direction:** In the form of inference/conclusions are based on the passages given below. Each 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 law that considers whether a person is a legal heir or not has some lacunae.
A. If the inference is definitely true, i.e., it properly follows from the statement of facts given.
B. In the inference is probably true though not definitely true in the light of the facts given.
C. If the data are inadequate i.e., from the facts given you cannot say whether the inference is likely to be true or false.
D. If the inference is probably false though not definitely false in the light of the facts given.
E. If the inference is definitely false i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

79. **Direction:** In each question below, a statement are given followed by two courses of action numbered I and II. A Statement and Courses of Action is a practicable and feasible step or administrative decision to be taken for follow-up,

improvement, or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true and decide which of the suggested courses of action logically follow(s) for pursuing.

Statement: A large number of patients admitted in a particular hospital have been diagnosed with a serious contagious disease.

Courses of Action:

I. These patients should be immediately evicted from the hospital for fear of spread of the disease.

II. The hospital should make appropriate quarantine arrangements to control the spread of disease.

A. if only I follows
B. if only II follows
C. if either I or II follows
D. if neither I nor II follows
E. if both I and II follow

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

Statement: The government airline has been making huge losses even as private airliners continue to prosper and make substantial profit.

Courses of Action:

I. All the private airline should be banned from their operation in the country.

II. The government airline should be instructed to increase passenger fare significantly in order to increase its profit

A. if only I follows
B. if only II follows
C. if either I or II follows
D. if neither I nor II follows
E. if both I and II follow

Direction (81-86): *Answer the following question based on the information given below.*

Eight family members - A, W, N, O, Z, Q, X, Y - is sitting around a circular table. Four of them face the center, while the rest face outside.

Q sits exactly opposite to Z. A's sister-in-law is third to the left of A's mother-in-law, who faces the center. A's husband sits exactly between A's father and W. O, who is not A's maternal uncle, sits exactly opposite to X. A's father is to the immediate right of O, who faces outside.

A's mother is third to the left of A's father. Z is A's sister and is second to the right of A, who faces outside. A sits exactly between her maternal uncle, who faces the center, and N. The person is to the immediate right of A's mother-in-law faces outside. N is not an immediate neighbour of Z. Y is not the mother-in-law of A.

81. Who sits opposite to Mother-in-law of O?

A. N   B. A
C. X   D. Z
E. Q

82. What is the position of Z with respect to her brother-in-law?
A. Third to the right   B. Third to the left
C. Second to the right   D. Second to the left
E. Opposite

83. In which of the following group the third person does not sit between the first and the second?
A. XNA   B. NOQ
C. WZY   D. ZXA
E. None of these

84. Which of the following is true?
A. X and O face the same direction.
B. Y sits second to the right of A's husband.
C. Only two persons sit between N and A's sister.
D. Immediate neighbours of Y face opposite directions.
E. All are incorrect.

85. Find the odd one out.
A. X   B. Y
C. W   D. Z
E. N

86. Who sits second to the left and second to the right of mother of N respectively?
A. Q and Z   B. Z and Q
C. Y and Z   D. Y and Q
E. X and Q

Directions (87-91): *Study the information and answer the given questions:*

Seven Actors Amitabh, Salman, Aamir, Akshay, Ajay, Hrithik and Sanjay live on separate floors of a 7-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 7. Each one of these is staying in a different in a different hotel of Mumbai, viz Taj Hotel, Hilton Tower, The Orchid Hotel, Resort Hotel, Hyatt Hotel, The Retreat Hotel and Centaur Hotel. but not necessarily in the same order. Only three actors live above the floor on which Akshay lives. Only one actor lives between Akshay and the one staying in The Retreat. Ajay lives immediately below the one staying in Resort. The one staying in Resort lives on an even-numbered floor. Only three actors live between the ones staying in The Retreat and Hilton Tower. Hrithik lives immediately above Sanjay. Hrithik is not staying in Hilton Tower. Only two actors live between Salman and the one staying in Hyatt. The one staying in Hyatt hotel lives below the floor on which Salman lives. The one staying in Centaur hotel does not live immediately above or immediately below Salman. Amitabh does not live immediately above or immediately below Akshay. Aamir does not stay in Taj hotel.

87. Which of the following is true with respect to Aamir as per the given information?
A. The one who lives immediately below Aamir is staying in Resort hotel.
B. Aamir lives on floor no.7
C. Aamir lives immediately below Hrithik.
D. Aamir lives on the lowermost floor.
E. Aamir is staying in The Retreat hotel

88. Who among the following lives on floor no. 3 ?
A. The one staying to Taj hotel.
B. The one staying in Hyatt hotel.
C. Sanjay
D. Aamir
E. Hrithik

89. Who lives on the floor immediately above Hrithik?
A. Akshay   B. Salman
C. Amitabh   D. Aamir
E. Ajay

90. To which of the following hotel is Amitabh staying?
A. Resort hotel.   B. The Retreat hotel.
C. Hilton tower.   D. Hyatt hotel.
E. Taj hotel.

91. How many actors live between the floors on which Amitabh and the one staying in Resort hotel?
A. None   B. Two
C. One   D. More than three
E. Three

Directions (92-96): *These questions are based on the following information Study it carefully and answer the questions.*

Seven members L, H, K, T, F, J and R represent different countries in Olympics viz. USA, China. Korea, France, Russia, Australia and Japan; each one competes for a different sport viz. volleyball, Archery, Rifle Shooting, Tennis, Boxing, Athletics and Football The order of persons, countries and the games is not necessarily the same.
K represents China for Archery. T represents USA but not for Volleyball or Rifle Shooting. The one who represents Japan competes for Boxing. F competes volleyball but not for Korea. L represents Australia for Athletics. The one who represents Russia competes for Tennis. J does not represent Korea or Japan. R competes for Rifle Shooting.

92. The one who competes for Rifle shooting represents which country?
A. France   B. Korea
C. Japan   D. USA
E. None of these

93. Which of the following combinations is correct?
A. J-Tennis-France   B. R-Tennis-Russia
C. R-Tennis-Franco   D. J-Tennis- Russia
E. None of these

94. Who represents Japan?
A. F   B. R
C. J   D. H
E. None of these

95. For which game does T compete?
A. Boxing   B. Football
C. Tennis   D. Cannot be determined
E. None of these

96. F represents which country?
A. France   B. Russia
C. Japan   D. Korea
E. None of these

Direction (97 – 98): Study the following information and answer the questions.

* R is sister of S.
* S is married to B.
* B is son of A.
* R is mother of E.
* G is father of H.
* G has only one son and only one daughter.
* H is daughter of R. K is son of S.

97. How is B related to R?
A. Brother   B. Can't be determined
C. Brother-in-law   D. Cousin (Brother)
E. Uncle

98. How is E related to S?
A. Son   B. Niece
C. Son-in-law   D. Nephew
E. Daughter

99. A person starts walking from his home towards his friend's place. He walks for 25m towards west. He takes 90º right turn and walks for 20m. He again takes a 90º right turn and walks for 10m. He then again walks for 10m after taking a 90º left turn. Turning 90º towards his right, he walks for 15m to reach his friend's place. How far and in which direction is the friend's place from his home?
A. 30m towards east   B. 30m towards north
C. 40m towards south   D. 30m towards south
E. 40m towards north

100. W walked 30 meters towards North, took a left turnand walked 20 meters. He again took a left turn and walked 30 meters. How far is he from the starting point?
A. 30 meters   B. 50 meters
C. 80 meters   D. Cannot be determined
E. None of these

101. **Direction:** In the following number series, one of the numbers is wrong. Find out the wrong number.
1.200, 50, 75, 18.75, 18.75, 23.4375, 35.15625
A. 200   B. 50
C. 75   D. 23.4375
E. 35.15625

102. **Direction:** In the following number series, a wrong number is given. Find out that wrong number.
400, 442, 484, 532, 580, 630, 682
A. 400   B. 442
C. 484   D. 532
E. 682

103. **Direction:** In the following number series, a wrong number is given. Find out that wrong number.
108.916, 673, 585, 565, 556, 553
A. 553   B. 916
C. 585   D. 565
E. 673

104. **Direction:** What should come in place of the question mark (?) in the following number Series?
109.1470, 1390, 1320,1260,1210,1170,?
A. 1120   B. 1140
C. 1130   D. 1150
E. 1110

105. **Direction:** What should come in place of the question mark (?) in the following number series?
20, 28, 38, 50, 64, ?
A. 96   B. 80
C. 78   D. 72
E. None of these

Direction (106-110): *Answer the following questions based on the given information:*

	Cricket	Football	Hockey	Rugby	Swimming
Adam	0.18	0.17	0.20	___	0.27
Andrew	0.45	0.20	___	0.07	0.09
Rickey	0.11	___	0.15	0.25	0.23
Damien	0.35	0.06	0.01	0.26	___
Nathan	0.24	0.13	0.13	0.24	___
Clarke	0.31	0.11	0.19	___	0.24

Note: The numbers given in the table show the probabilities. A player can play one of the sports only.

106. What is the percentage chance that Andrew will join Hockey if every student can only join one sport?
    A. 17%   B. 18%
    C. 19%   D. 20%
    E. None of these

107. What is the probability that either Adam or Andrew will join swimming?
    A. 0.23   B. 0.27
    C. 0.29   D. 0.31
    E. None of these

108. What is the probability that Adam will join anything but Cricket or Football?
    A. 0.35   B. 0.45
    C. 0.55   D. 0.65
    E. None of these

109. What is the probability that Clarke, Nathan and Damien will all join Football?
    A. $858 * 10^{-6}$ B. $858 * 10^{-5}$
    C. $858 * 10^{-3}$ D. $858 * 10^{-2}$
    E. None of these

110. What is the probability that either Damien or Nathan will join rugby?
    A. 0.31   B. 0.34
    C. 0.36   D. 0.37
    E. None of these

111. **Direction:** What approximate will come in place of the question mark (?) in the following question (You do not have to calculate the exact value)?
    18% of 650.025-944.022÷16+455.982=x
    A. 425   B. 584
    C. 625   D. 354
    E. 514

112. **Direction:** What approximate will come in place of 'x' in the following question (You do not have to calculate the exact value)?
    (681.998% of 779.987) ÷ 850.032 = (16.002 ÷ 3.998)% of x
    A. 156   B. 182
    C. 124   D. 201
    E. 265

113. **Direction:** What approximate value should come at the place of question mark (?) in the following question (You are not expected to calculate the exact value)?
    ? + (28% of 342 + 71.78 ÷ 17.91) − 102.98 × 4 = - 298.09
    A. 25   B. 14
    C. 29   D. 31
    E. 32

114. **Direction:** What will come in the place of question mark (?) in the following question (You do not have to calculate the exact value)?
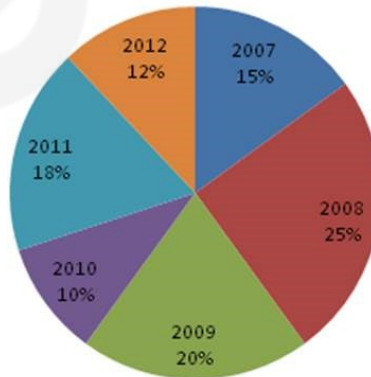 $\sqrt{3365} + \sqrt{145} - \sqrt[3]{65} = ? + \sqrt{1155}$
    A. 32   B. 65
    C. 57   D. 98
    E. 12

115. **Direction:** What **approximate** value should come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value).
    (755% of 523) ÷ 777 =?
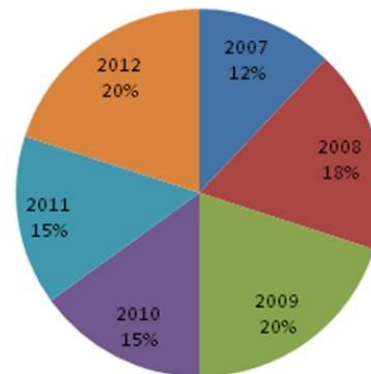   A. 5   B. 12
    C. 19   D. 26
    E. 29

Direction (116-120): *Study the following pie-charts carefully and answer the questions given below:*

Year-wise Breakup of the number of candidates appeared for an entrance exam and Year-wise Breakup of the number of candidates who cleared the entrance exam.

Total Number of candidates appeared in the entrance exam from 2007-2012 = 260000

Total Number students who cleared the entrance test from 2007-2012 = 32000

116. What was the ratio of the number of students appeared for the entrance exam in 2009 and the number of students who cleared the exam in 2007 respectively?
    A. 18 : 4   B. 325:29
    C. 325:24   D. 111 : 24
    E. None of these

117. The total number of students appeared in entrance exam from 2008 and 2011 was what percentage of number of students appeared for the entrance exam in 2009?
    A. 120%   B. 150%
    C. 215%   D. 250%
    E. None of these

118. What was the difference between the number of students who cleared the entrance exam in 2008 and number of students who cleared the entrance exam in 2010?
    A. 1120   B. 1020
    C. 960   D. 912
    E. None of these

119. The total number of students who cleared the exam from all years together is what percent of the total number of students appeared for the exam in all years together?
    A. 17.5%   B. 15%
    C. 11.5%   D. 12.3%
    E. None of these

120. What was the total number of students cleared the entrance exam in 2007 and 2012 together?
    A. 10240   B. 15200
    C. 11520   D. 11220
    E. None of these

121. **Directions:** In each of these questions, two equations are given. You have to solve these equations and find out the values of x and y.
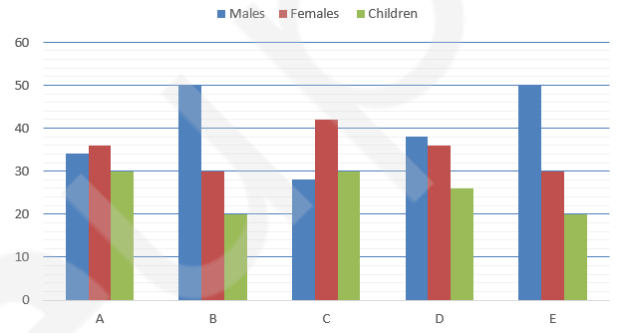
    I. $x - \dfrac{752}{x} + 31 = 0$
    II. $y^2 - 31y - 816 = 0$
    A. x > y   B. x ≥ y
    C. x < y   D. x ≤ y
    E. x = y or relationship cannot be established

122. **Directions:** In each of these question, two equations (I) and (II) are given. You have to solve both the equations and give answer.
    I. $x^2 - 24x + 108 = 0$
    II. $y = \sqrt[3]{5832}$
    A. x≥y   B. x≤y
    C. x<y   D. x>y
    E. x=y, or relationship between x and y can't be established.

123. **Directions:** Two equations (I) and (II) are given in each question. On the basis of these equations, you have to decide the relation between p and q and give answer.
    I. $7p^2 - 54p + 99 = 0$
    II. $8q^2 - 32q + 30 = 0$
    A. p > q   B. p < q
    C. p ≥ q   D. p ≤ q
    E. p = q, or no relation can be established between p and q

124. **Direction:** In the following question, two equations I and II are given. Solve the equations and give your answer accordingly:
    I. $5X^2 + 28X + 15 = 0$
    II. $6Y^2 + 35Y + 25 = 0$
    A. If X > Y   B. If Y > X
    C. If X ≥ Y   D. If Y ≥ X
    E. If x = y or a relationship between x and y cannot be established.

125. **Directions:** In the following question, two equations numbered I and II are given. You have to solve both the equations and answer the question.
    I. $3x^2 + 4x + 1 = 0$
    II. $8y^2 + 9y = -1$
    A. X>Y   B. X ≥Y
    C. X<Y   D. X≤Y
    E. X = Y or the relationship cannot be established

Direction (126-130): *Study the following graph and table carefully and answer the questions given below it.*
Percentage of males, females, and children living in the colony

Total number of residents in various colonies

Colonies	Residents
A	1250
B	2050
C	1800
D	1150
E	1620

126. What is the difference between the number of males in colony D and the number of children in the same colony?
    A. 150   B. 220
    C. 200   D. 170
    E. 138

127. What is the respective ratio of the number of males in colony B to the number of females in the same colony?
    A. 5 : 4   B. 5 : 3
    C. 2 : 7   D. 1 : 3
    E. 3 : 7

128. What is the average number of residents from all the colonies together?
    A. 1574   B. 1500
    C. 1111   D. 1245
    E. 1350

129. The number of children in colony A are approximately what per cent of the number of children in colony E?
    A. 90%   B. 88%
    C. 116%   D. 120%
    E. 113%

130. What is the total number of females in colonies A, B and C together?
    A. 1850   B. 1821
    C. 1100   D. 1950
    E. 1150

131. **Directions:** *Study the following information carefully and answer the questions given below*:

In the following questions, there is one question and three statements given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question. Choose the correct alternative in each question.

Is the length of a side of equilateral triangle E less than the length of a side of square S?

I. The perimeter of E and the perimeter of S are equal.

II. The ratio of the height of triangle E to the diagonal of square S is 2√3:3√2

III. The area of triangle E and the area of square S are equal

A. Only I

B. Only II

C. Only III

D. I or II or III alone are sufficient

E. All I, II and III

132. **Direction:** The question given below has three statements along with it. You have to determine which of the statement/s are necessary/sufficient to answer the question:

What is the difference between two numbers 'a' and 'b'?

I. a is 20% more than another number c.

II. b is 20% less than c.

III. The sum of a + b is 72.

A. Both statement I and II together are sufficient.

B. Both statement II and III together are sufficient.

C. All three statements together are sufficient.

D. Any of the two statements are sufficient.

E. All statements together are insufficient

133. **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.

134. **Directions:** In each of these questions, one question is given followed by data in three statements I, II and III. You have to study the question and the data in statements and decide the question can be answered with data in which of the statements and mark your answer accordingly. What is the rate of interest per annum?

Statements:

I. Difference between the compound interest and simple interest earned in two years on the amount invested is Rs. 300/-

II. The amount becomes Rs. 19,500/- in three years on simple interest.

III. Simple interest accrued in two years on the same amount at the same rate of interest is Rs. 3,000/-

A. Only I and II

B. Only I and III

C. Only II and III

D. Only I and either II or III

E. None of these

135. **Directions:** Each of the questions given below consists of a question and 2 statements. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the ratio of speed of A and B

1) In a race of 100m A gives B a start of 15m and still beats him by 10m.

2) A covers a certain distance at 24km/hr and b covers a circular track of 35m radius in 120sec.

A. if the data provided in statement 1 is sufficient while the data provided in statement 2 is not sufficient

B. if the data provided in statement 2 is sufficient while the data provided in statement 1 is not sufficient

C. if the data provided in either of the statements alone is sufficient to answer the question

D. if the data provided in both of the statements together is sufficient to answer the question

E. if the data provided in both of the statements together are not sufficient to answer the question

136. The average height of 27 persons was recorded as 162 cm. If the height of Shreyas was deleted from the observation, the average height was reduced by 1 cm. What was Shreyas' height ?

A. 184 cm   B. 226 cm

C. 179 cm   D. 186 cm

E. None of these

137. Anil can row at a speed of 7 Km/hr in still water to a certain upstream point and back to the starting point in a river which flows at 3 km/hr. Find his average speed for total journey.

A. 40/7kmph   B. 75/6 kmph

C. 3.5 kmph   D. 7 kmph

E. 4.5 kmph

138. The simple interest accrued in four years on a principal of ₹ 18,000 is one-fifteenth the principal. What is the rate of simple interest p.c.p.a? (Rounded off two digits after decimal)

A. 1.67   B. 3.57

C. 2.71   D. 4.11

E. None of these

139. In a 40 litres mixture acetic acid and sodium acetate are in the ratio 3:1,find the amount of sodium acetate solution to be added to make the ratio 2:3.
    A. 40 litres
    B. 20 litres
    C. 15 litres
    D. 30 litres
    E. 35 litres

140. A shopkeeper sells 25 articles at 45/- per article after giving 10% discount and gains 50% profit. If discount is not given, what is the profit %?
    A. 60%
    B. 182/3%
    C. 200/3%
    D. 66%
    E. None of these

141. Gopal went to a fruit market with certain amount of money. With this money he can buy either 50 oranges or 40 mangoes. He retains 10% of the money for taxi fare. If he buys 20 mangoes, then the number of oranges he can buy is
    A. 25
    B. 18
    C. 20
    D. 15
    E. None of these

142. One girl or two boys or three women can do a piece of work in 88 days. onegirl,one boy and one woman will do it in.?
    A. 42 days
    B. 46 days
    C. 48 days
    D. 52 days
    E. none of these

143. An employer reduces the number of his employees in the ratio 9:8 and increase their wages in the ratio 14:15. If the original wage bill was Rs. 18,900, find the ratio in which the wage bill is decreased.
    A. 20:21
    B. 21:20
    C. 20:19
    D. 19:21
    E. None of these

144. The ratio of the monthly income of Trupti, Pallavi and Komar is 141 : 172 : 123. If Trupti's annual income is ₹3,38,400, what is Komal's annual income? (In some cases, monthly income is used, while in others, annual income is used).
    A. ₹4,12,800
    B. ₹3,63,500
    C. ₹3,17,600
    D. ₹2,95,200
    E. None of these

145. Ram has organized his birthday party. There are 7 people including Ram sitting in a line, not all of whom the same number of chocolate with them. If Ram is at first and distributes his chocolate to the remaining 6 of his friends such that he doubles their respective number of chocolate, then he will be left with 4 chocolates. But if Rakesh who is sitting next to Ram, takes away 2 chocolates from each of the remaining 6 friends, then he will be left

with 3 chocolates less than the number of chocolate that Ram initially had. What is the total number of chocolate that are there with the 3rd person to the 7th person?
    A. 10
    B. 11
    C. 13
    D. 12
    E. Cannot be determined

Directions (146-150): A survey was done on some of the students of school A & B. Total selected students were 750. The ratio of students selected from school A & B are in the ratio 7:8. There is total 450 boys altogether. The ratio of boys & girls from school A are in the ratio of 3:2. 2/3 of the boys from school A play basketball. Total 200 boys play basketball. 3/5 of the girls from school A like swimming. 1/3 of the boys from school B like swimming. Total 130 students from school A like swimming. 1/4 of the girls of school A play basketball. Total 100 students from school B like swimming. 2/5 of the girls from school B play basketball. Rest of the students like to play football.

146. What is the difference between the no of students playing basketball from school A & no of boys playing football from school B?
    A. 100
    B. 60
    C. 75
    D. 35
    E. 50

147. What is the no of girls from school A who like football?
    A. 11
    B. 21
    C. 31
    D. 41
    E. 51

148. Number of boys playing basketball from school A is how much percent more than the number of boys playing football from school B?
    A. 20%
    B. 30%
    C. 40%
    D. 50%
    E. 60%

149. What is the average number of students playing football from school A & B?
    A. 90
    B. 100
    C. 100.5
    D. 110.5
    E. 115.5

150. Number of girls from school A who like swimming is how much percent of the number of boys playing football from school A?
    A. 150%
    B. 200%
    C. 250%
    D. 300%
    E. 350%

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