Directions (1-6): Read the passage given below and answer the following questions.

Dr. Johnson walked into the break room and saw Dr. Smith sitting at the table, reading a medical journal. She grabbed a cup of coffee and joined him. "Hey there, how's your day going?" she asked. Dr. Smith looked up from his journal and sighed. "It's been pretty hectic. I've had a lot of patients today with serious medical conditions. It's always tough to deliver bad news to them." "I know what you mean," Dr. Johnson said. "I had a patient today who was recently diagnosed with cancer. It's hard to see them going through such a difficult time." Dr. Smith nodded in agreement. "But that's why we do what we do. We have to be strong for our patients and help them through their challenges. It's a tough job, but it's also incredibly rewarding." The two doctors finished their coffee and headed back to their patients, ready to face whatever challenges the day might bring.

As they walked down the hall, Dr. Johnson continued the conversation. "You know, I was thinking about the new treatment option for cancer that was discussed in that journal you were reading. Have you tried it with any of your patients?" Dr. Smith nodded. "Yes, I've had a few patients who were eligible for the treatment and we've seen some **promising** results. It's always great to have new options available for our patients." Dr. Johnson smiled. "That's fantastic to hear. It's amazing how far medical research has come in recent years. It gives us hope that one day we might be able to find a cure for some of these diseases." Dr. Smith agreed. "Absolutely. It's a constantly evolving field, and we have to stay up-to-date with the latest research and advancements to provide the best possible care for our patients."

Later that day, Dr. Smith ran into Dr. Johnson in the hallway. "Hey, I just wanted to let you know that the patient you referred to me earlier today had a really positive response to the treatment we discussed. Thanks for bringing it to my attention." Dr. Johnson smiled. "That's great news! I'm so glad to hear that it's working out for them." Dr. Smith nodded. "Definitely. It reminds me of why we chose this profession in the first place. It's not always easy, but it's worth it when we can make a real difference in someone's life." As they parted ways, the two doctors couldn't help but feel grateful for the opportunity to work in a field that allowed them to help others in such meaningful ways. They had each other and the support of their colleagues united in their shared goal of improving the health and well-being of their patients.

Q1. What did Dr. Smith say about his day when Dr. Johnson asked him how it was going?

(a) Dr. Smith replied that his day was going well as he was able to diagnose and treat many patients effectively.

(b) Dr. Smith said that his day was average, but he had some interesting cases that challenged his medical knowledge.

(c) Dr. Smith replied that his day was pretty hectic as he had a lot of patients with serious medical conditions, and it was tough delivering bad news to them.

(d) Dr. Smith said that his day was dull and uneventful, and he was hoping for some more exciting cases in the future.

(e) Both (b) and (d)

Q2. How did Dr. Smith respond when Dr. Johnson mentioned a new treatment option for cancer?
(a) Dr. Smith replied that he had no interest in trying out new treatment options and preferred sticking to his usual methods.
(b) Dr. Smith said that he had already tried the treatment option with many patients, but it didn't seem to work for them.
(c) Dr. Smith nodded and said that he had a few eligible patients who had positive responses to the new treatment.
(d) Dr. Smith replied that he was skeptical about trying out new treatments as they could have adverse effects on the patient's health.
(e) None of these

Q3. What did the two doctors agree on regarding medical research?
(i) Both doctors agreed that medical research is not important for treating patients and that they can rely solely on their own experience to provide care.
(ii) Both doctors agreed that medical research is essential for providing the best possible care for their patients and that staying up-to-date with the latest advancements is critical.
(iii) Dr. Johnson believed that medical research is important, but Dr. Smith disagreed and felt that it is a waste of time and resources.
(a) Both (i) and (ii**)**
(b) Only (iii)
(c) None of these
(d) Both (ii) and (iii)
(e) Only (ii)

Q4. How did Dr. Johnson respond to the news about the patient's positive response to treatment?
(a) Dr. Johnson expressed disappointment.
(b) Dr. Johnson was surprised.
(c) Dr. Johnson expressed gratitude.
(d) Dr. Johnson was indifferent.
(e) Both (a) and (d**)**

Q5. What did the two doctors feel grateful for with regard to their profession?
(a) Dr. Johnson was sad while parting ways but was grateful for the support he received from his colleagues, which helped him to face the challenges of his profession.
(b) The two doctors felt grateful for the opportunity to work in a field that was constantly evolving and advancing, providing new treatment options and hope for their patients.
(c) Dr. Johnson and Dr. Smith were grateful for the financial rewards that came with their profession, which allowed them to live comfortable and fulfilling lives.
(d) Both (a) and (c)
(e) All of these

Q6. Which of the following words is most similar in meaning to the highlighted word **"PROMISING,"** which, if replaced, will not change the intended meaning of the given sentence?
(a) portentous
(b) propitious
(c) caliginous
(d) minacious
(e) ominous

Directions (7-12): Read the passage given below and answer the following questions.

As an economist, I believe that there are several ways to tackle an economic downturn. The first and most important step is for the government to implement fiscal policies that stimulate economic activity. By injecting money into the economy, we can boost consumer spending and create new jobs, which in turn helps to jumpstart economic growth. This can be done through tax cuts, increased government spending on infrastructure projects, and targeted subsidies for industries that are struggling. Another effective strategy is for the government to work closely with central banks to implement monetary policies that support economic growth. This can include lowering interest rates, which encourages borrowing and investment and increasing the money supply, which can help to stimulate inflation and boost consumer spending. By coordinating fiscal and monetary policies, we can create a more robust economic environment that is conducive to growth and prosperity.

Finally, it is important to address structural issues within the economy that may be contributing to the downturn. This can include investing in education and training programs to ensure that workers have the skills they need to succeed in a changing economy. It can also involve regulatory reforms that encourage innovation and competition, and measures to address income inequality and social inequality. By tackling these deeper issues, we can create a more sustainable and inclusive economic system that benefits everyone. There are several challenges that may arise when trying to tackle an economic downturn. One of the biggest challenges is political opposition to government intervention in the economy. Some individuals and groups may argue that the government should not interfere with the free market and that businesses should be left to operate without government interference. This can make it difficult to implement fiscal policies that are necessary to stimulate economic growth.

Another challenge is the potential for unintended consequences of government policies. For example, if the government injects too much money into the economy, it could lead to inflation, which can be detrimental to economic stability. Similarly, if interest rates are lowered too much, it can lead to unsustainable levels of debt and financial instability. The global economy is constantly changing and it can be difficult to accurately predict economic shifts and respond to them in a timely manner. This can make it challenging for policymakers to implement effective strategies for tackling economic downturns. Some businesses and individuals may resist regulatory reforms or investments in education and training programs that could benefit the economy in the long run. Overcoming these challenges requires a coordinated effort from policymakers, businesses, and individuals to work together towards a common goal of promoting economic growth and stability.

Q7. What is the first and most important step to tackle an economic downturn, according to the economist in the passage?
(a) Implementing trade tariffs to protect domestic industries
(b) Increasing government bureaucracy to monitor businesses
(c) Implementing fiscal policies that stimulate economic activity
(d) Limiting consumer spending to control inflation
(e) None of the above

Q8. How can the government inject money into the economy to boost consumer spending and create new jobs?
(a) By implementing strict measures to reduce government spending
(b) By increasing taxes to fund social welfare programs
(c) By increasing government spending on infrastructure projects
(d) Both (a) and (c&(e) All of these

Q9. Why is it important to address structural issues within the economy that may be contributing to the downturn?
(i) To hamper the stability within the economy
(ii) To restrict competition among businesses
(iii) To create a more inclusive economic system
(a) Only (i) and (ii)
(b) All of these
(c) Both (i) and (iii)
(d) Only (iii)
(e) None of these

Q10. Why is it difficult to accurately predict economic shifts and respond to them in a timely manner?
(a) Due to a lack of available data and resources on economic indicators
(b) Because economic shifts are dependent on unpredictable global events
(c) Because economic shifts are slow and gradual, making them hard to detect
(d) Because policymakers are not equipped with the tools to predict economic shifts
(e) Both (a) and (d**)**

Q11. What are some potential ways to address income and social inequalities within the economy?
(a) By reducing government spending on welfare programs
(b) By investing in education and training programs
(c) By increasing tax rates on the wealthy citizens
(d) Both (a) and (b**)**
(e) All of these

Q12. What is one of the biggest challenges that may arise when trying to tackle an economic downturn?
(a) Interference by international organizations in the domestic economy
(b) Lack of effective coordination between fiscal and monetary policies
(c) Low consumer confidence in the economic stability of the country
(d) Insufficient government funding for education and training programs
(e) Government economic meddling is challenged by political opponents

Directions (13-17): Below are given six sentences in jumbled form. However, sentence (B) is fixed to be in fourth place after rearrangement. You have to rearrange the remaining sentences to make a contextually meaningful paragraph and answer the following questions:
(A) It is _____ to conserve biodiversity because it provides _____ ecosystem services such as air and water purification, nutrient cycling, and climate regulation.
(B) their ecological footprint, such as (1)/ buying local and organic produce (2)/ one such way is by reducing (3)/ by using public transportation or (4)
(C) Efforts to conserve biodiversity can be made by individuals in many ways.
(D) Biodiversity refers to the variety of living organisms on earth and their interactions with each other and their environment.
(E) In addition, it is of **paramount (1)** importance to spread **cognizance (2)** pertaining to the **significance (3)** of biodiversity and **exhort (4)** others to **understate (5)** measures of preservation.
(F) Individuals can also take action to reduce habitat destruction and fragmentation by supporting sustainable land use practices, such as agroforestry or conservation agriculture.

Q13. Which of the following would be the **FIRST** sentence after rearrangement?
(a) C
(b) D
(c) A
(d) F
(e) E

Q14. Which of the following would be the **LAST** sentence after rearrangement?
(a) D
(b) C
(c) F
(d) E
(e) A

Q15. Which of the following would be the correct rearrangement of the phrases given in sentence (B)?
(a) 3421
(b) 4312
(c) 3142
(d) 2314
(e) 1324

Q16. In sentence (E), there are five highlighted words. Choose the word which is incoherent with reference to the context of the given sentence.
(a) paramount
(b) cognizance
(c) significance
(d) exhort
(e) understate

Q17. There are two blanks given in sentence (A). You must select the most appropriate word from the following options to fill in both blanks in the sentence.
(a) perilous
(b) didactic
(c) critical
(d) pedantic
(e) peracute

Directions (18-22): Each question below has one blank, which indicates that something has been omitted. Find out which option can be used to fill in the blank in the sentence to make it grammatically and contextually correct.

Q18. Encouraging community engagement and volunteerism can help to build more _____ and connected communities.
(a) dolorous
(b) stagnant
(c) indented
(d) ebullient
(e) sluggish

Q19. Educational inequality is a systemic social issue that _____ opportunities for marginalized communities and requires innovative solutions to bridge the achievement gap.
(a) precipitates
(b) strangles
(c) converges
(d) dispatches
(e) expedites

Q20. Pursuing your passions and interests can help to _____ new opportunities for growth and success.
(a) rein
(b) bridle
(c) delve
(d) impart
(e) deter

Q21. Embracing a positive attitude and mindset can help to _____ challenges and achieve success.
(a) exculpate
(b) vanquish
(c) extricate
(d) disdain
(e) ransom

Q22. Corruption is a pervasive social issue that undermines democracy, human rights, and economic growth and requires _____ and accountable governance.
(a) bland
(b) bleak
(c) ornery
(d) lucid
(e) dreary

Q23. Each question below consists of five sentences. Each sentence contains a highlighted word, but only one of these sentences shows the correct usage of the word. You have to choose the sentence that uses the highlighted word correctly, both in grammatical and contextual aspects.
(a) Access to education **capacitates** individuals and communities to realize their full potential and contribute to society.
(b) Promoting cultural understanding and tolerance is crucial in creating a more **truculent** global community.
(c) Racism and discrimination are two of the most significant social issues that need to be **conceded** through education and legislation.
(d) Non-violent activism and civil disobedience can be **abortive** means of promoting peace and social change.
(e) Gender inequality remains a **trifling** problem that hinders progress and deprives individuals of their fundamental rights.

Q24. Each question below consists of five sentences. Each sentence contains a highlighted word, but only one of these sentences shows the correct usage of the word. You have to choose the sentence that uses the highlighted word correctly, both in grammatical and contextual aspects.
(a) Sustainable development and **inflating** inequalities are critical to achieving global peace and security.
(b) Climate change is a pressing global issue that demands immediate **abduction** and action from all of us.
(c) International peace and security are essential for the **subsistence** of humanity and the future of our planet.
(d) Poverty is a complex social issue that requires vital changes and policies to **exasperate** the suffering of the marginalized.
(e) Empowering women and promoting gender equality is crucial in achieving **wavering** peace and stability.

Q25. Each question below consists of five sentences. Each sentence contains a highlighted word, but only one of these sentences shows the correct usage of the word. You have to choose the sentence that uses the highlighted word correctly, both in grammatical and contextual aspects.
(a) Immigration requires a compassionate and **dissented** approach to address the needs of migrants and the host communities.
(b) Nuclear disarmament is a critical step towards achieving peace and **preserving** the threat of nuclear war.
(c) Gun violence is a tragic issue that demands urgent action to **augment** needless deaths and injuries and ensure public safety.
(d) Building trust and understanding between different nations and cultures is **turbulent** in creating a more peaceful world.
(e) Animal rights and welfare require **scrupulous** and responsible treatment of animals in all industries and practices.

Q26. Each question below consists of five sentences. Each sentence contains a highlighted word, but only one of these sentences shows the correct usage of the word. You have to choose the sentence that uses the highlighted word correctly, both in grammatical and contextual aspects.
(a) Supporting **reconciliation** efforts and transitional justice can help to heal the wounds of past conflicts and promote lasting peace.
(b) Income inequality has far-reaching **truncations** on economic growth, social mobility, and political stability.
(c) Education and awareness about the importance of **hostility** can help to cultivate a more peaceful world.
(d) Cyberbullying requires digital literacy and responsible online behavior to prevent harm and protect **invincible** individuals.
(e) Promoting economic development and reducing poverty can help to reduce the risk of conflicts and promote **fickleness** and peace.

Q27. Each question below consists of five sentences. Each sentence contains a highlighted word, but only one of these sentences shows the correct usage of the word. You have to choose the sentence that uses the highlighted word correctly, both in grammatical and contextual aspects.
(a) Child labor violates the rights of children and **undermines** their education, health, and well-being.
(b) Diplomacy and conflict resolution should always be the first course of action in **escalating** international disputes.
(c) Access to clean water and sanitation is a fundamental social issue that **effects** public health.
(d) Peacebuilding efforts must prioritize addressing the root causes of **accords** to achieve sustainable peace.
(e) Ageism is a subtle social issue that **abolishes** stereotypes and discrimination against older people.

Q28. In the following questions, a few sentences are given. Choose and mark the sentence which contains no grammatical or contextual error in it. If all the sentences are grammatically and contextually incorrect, mark the "All are incorrect" option as the answer choice.
(a) The company is trying to bring of fresh talent to inject new ideas into the organization.
(b) The CEO is hoping to rally on the team members and inspire them to achieve their goals.
(c) The teacher had to call through their parents to address their behavior issues.
(d) The project team had to flesh out the details of the proposal before submitting it.
(e) All are incorrect

Q29. In the following questions, a few sentences are given. Choose and mark the sentence which contains no grammatical or contextual error in it. If all the sentences are grammatically and contextually incorrect, mark the "All are incorrect" option as the answer choice.
(a) The team needs to step back and reevaluate its strategy but make improvements.
(b) The company is looking to phase out its legacy systems and adopt modern technology.
(c) The athlete needs to dig and deep and find the strength to push through the pain.
(d) Joy had to step up and take charge of the project when the manager being absent.
(e) All are incorrect

Q30. In the following questions, a few sentences are given. Choose and mark the sentence which contains no grammatical or contextual error in it. If all the sentences are grammatically and contextually incorrect, mark the "All are incorrect" option as the answer choice.
(a) My friends and me always hang out at the local coffee shop on weekends.
(b) I'm going to log off and take a break from the computer since a while.
(c) The students had always goofing around and making jokes in class.
(d) We need to follow up from our customers to resolve their issues.
(e) All are incorrect

Q31. In the following questions, a few sentences are given. Choose and mark the sentence which contains no grammatical or contextual error in it. If all the sentences are grammatically and contextually incorrect, mark the "All are incorrect" option as the answer choice.
(a) The government needs to crack down on corruption in the public sector.
(b) I'm going to hold off on buying a new phone until the price not go down.
(c) The company is trying to back on waste to reduce its environmental impact.
(d) I had to break away from the negative influence for my former colleagues.
(e) All are incorrect

Directions (32-35): A few sentences are provided in the following questions, each with a phrase highlighted in bold. There may or may not be an error in the highlighted phrase. The erroneous phrase can be replaced with one of the given alternatives. Choose "No replacement required" as your response if the highlighted phrase is correct.

Q32. The company is looking **to spin off its non-core businesses** to focus on its core competencies.
(a) to spin from its non-core businesses
(b) to spin on its non-core businesses
(c) to spin into its non-core businesses
(d) to spin for its non-core businesses
(e) No replacement required

Q33. The firm is looking to divest of its underperforming assets to improve its revenue structure.

(a) The firm is looking to divest in its

(b) The firm is looking to divest for its

(c) The firm is looking to divest its

(d) The firm is looking to divest by its

(e) No replacement required

Q34. I have to keep up with the fast-paced conversation to understand what was being said.

(a) I was to keep up with the

(b) I had to keep up with the

(c) I am to keep up with the

(d) I look to keep up with the

(e) No replacement required

Q35. The employee had to clock in and out on time **to avoid getting in trouble with** the HR department.

(a) for avoiding get in trouble with

(b) to avoid getting to trouble with

(c) in avoid getting of trouble with

(d) of avoiding get for trouble with

(e) No replacement required

Directions (36-40): In each of the questions given below, a few phrases are given in two columns which are grammatically correct and contextually meaningful. Connect the given phrases to form sentences in the best possible way without changing the intended meaning. Choose the best possible combination as your answer from the given options to form correct and coherent sentences.

Q36. COLUMN (I)

(A) With its seemingly endless twists and turns, bumps and obstacles, was a testament to the

(B) The digital divide is a social issue that creates inequalities in access, skills, and opportunities

(C) Promoting interfaith dialogue and cooperation can help to foster mutual respect

COLUMN (II)

(D) of the tiny creature in the face of overwhelming adversity and the seemingly

(E) to harness the power of technology for personal and societal development

(F) and understanding among different religions and promote global peace

(a) AE and CD

(b) CF and BE

(c) CE

(d) BD and AF

(e) None of these

Q37. COLUMN (I)

(A) Access to affordable housing is a pressing social issue that affects the most vulnerable

(B) The distant hills, the cool evening breeze carried the sweet fragrance of blooming flowers

(C) The chirping of birds in the nearby trees created a peaceful symphony that echoed through

COLUMN (II)

(D) streets were alive with the sounds of honking cars and the occasional blaring

(E) and requires long-term solutions to ensure housing security and stability

(F) as the skyscrapers cast long shadows that stretched across the pavement below

(a) AE

(b) BD and AF

(c) CE

(d) CF and BE

(e) None of these

Q38. COLUMN (I)

(A) Human trafficking is a heinous social issue that exploits the vulnerable and requires

(B) Indigenous rights are an urgent social issue that demands respect, recognition,

(C) The majesty of nature, and the unyielding power of the universe that surrounded us all

COLUMN (II)

(D) and protection of the cultural heritage and land rights of indigenous peoples

(E) with its infinite array of colors and shapes, stretched out endlessly before me

(F) global collaboration to combat and eliminate this modern form of slavery

(a) BD and AF

(b) CF and BE

(c) CE

(d) CD and AE

(e) None of these

Q39. COLUMN (I)

(A) The web of relationships that existed between the various members of the community,

(B) Strengthening international law and institutions can help to promote accountability

(C) Poverty in rural areas is a social issue that requires investment in infrastructure,

COLUMN (II)

(D) the way in which our lives are inextricably linked to one another in ways

(E) and justice, which are essential components of global peace

(F) education, and innovation to promote economic growth and development

(a) AF

(b) BD and AE
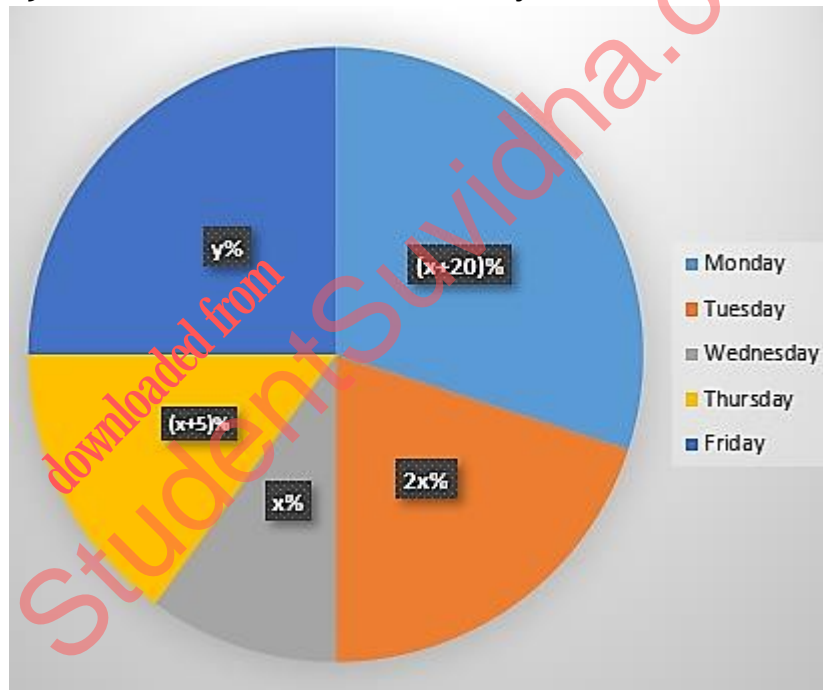
(c) BE

(d) CF and BE

(e) None of these

Q40. COLUMN (I)

(A) The relentless pursuit of excellence that had driven the young athlete to train day after day,

(B) A testament to the power of hard work and dedication, and the way in which we are all capable

(C) Climate change is an international concern that requires immediate action not only from

COLUMN (II)

(D) capture the essence of the world around them in a way that was both beautiful and inspiring

(E) governments but also from all segments of our society, whether individuals or institutions

(F) the dazzling array of colors that filled the canvas, with its bold strokes and vivid hues

(a) AE and CD

(b) CF and BE

(c) CE

(d) BD and AF

(e) None of these

Directions (41-46): The pie chart given below shows the percentage distribution of number of people (Male+ Female) visited a zoo on five different days of a week.

Note: (i) portion occupied on Friday **= 90°.**

(ii) Total number of people visited the zoo on five different days is 1000.

Q41. On Monday, the ratio of males to females visited the zoo is 3:2. If 40% of the total males and 1/4 of total females visited zoo in the morning and rest visited in afternoon, then find the number of females visited zoo in afternoon is how much more/less than males visited zoo in the same time?

(a) 18

(b) 20

(c) 30

(d) 36

(e) 24

Q42. On Thursday, total number of females visited are 30% of the people visited on Wednesday. If 30% of the males visited on Thursday are under 50 years, then find the number of males visited to zoo whose age is above or equal to 50 years is what percent of total number of people visited in the week.
(a) 8.1%
(b) 12%
(c) 3%
(d) 8.4%
(e) 2.4%

Q43. On Friday, total number of males visited in zoo is the average of number of people visited on Saturday and Thursday. Total number of females visited zoo on Friday is $33\frac{1}{3}\%$ of total number of people visited on Monday. Find the total number of people visited zoo on Saturday.
(a) 180
(b) 200
(c) 300
(d) 150
(e) 240

Q44. The total number of people visited zoo on Saturday and Sunday are in the ratio of 1:2 respectively. The total number of females visited zoo on Saturday is 75% of total number of people visited zoo on Tuesday. If 70% of the people visited zoo on Saturday are males, then find the total number of people visited zoo on Sunday.
(a) 1800
(b) 1200
(c) 3000
(d) 1500
(e) 1000

Q45. Find the average number of people visited zoo on Monday and Wednesday is what percentage of total number of people visited zoo on Friday.
(a) 85%
(b) 90%
(c) 70%
(d) 66%
(e) 80%

Q46. The ratio of males who visited zoo on Monday to the females who visited on Sunday is 7:9 respectively. The sum of males visited zoo on Monday and females visited zoo on Sunday is 128. Find the total number of people visited zoo on Sunday.
(a) Cannot be determined
(b) None of these
(c) 300
(d) 150
(e) 240

Q47. P invested Rs. X in Scheme A which offers R% simple interest for eight years after eight years the interest becomes 2.8 times of the amount he invested. If he invested Rs. (X+280) in scheme B which offers simple interest for three years at the same rate of interest, the interest received is Rs.1995, then find the value of X/2?

(a) 940
(b) 1050
(c) 780
(d) 540
(e) 810

Q48. 5 men and 8 women can complete a work in 12 days. 16 men and 6 women can complete the work in 8 days. If ratio of efficiency of a man to a child is 2:1, then find the number of days taken by 24 children to complete the same work.

(a) $12\frac{1}{2}$ days

(b) $16\frac{1}{3}$ days

(c) $8\frac{1}{3}$ days

(d) 15 days
(e) 10 days

Q49. A train of a length (X+250) meters crosses a pole in 32.5 seconds and speed of train is 72 km/h. If length of a bridge is (X-60) meters and train increased its speed by 25%, then find the time taken by the train to cross the bridge.

(a) 24.5 seconds
(b) 39.6 seconds
(c) 22. 4 seconds
(d) 35.6 seconds
(e) 40.5 seconds

Q50. A and B started a business by investing Rs.6000 and Rs. X. After six months, B left the business and C joined with $66\frac{2}{3}$% investment of B. At the end of a year, the profit received by C is Rs.2800 out of total profit of Rs.13000. Find the value of X.

(a) 4200
(b) 6400
(c) 5600
(d) 8400
(e) 6800

Q51. The total time taken by a boat to cover 'D+25' km downstream and same distance in upstream is 20 hours. If speed of boat is 15 km/ hr in still water and speed of stream is 40% less than speed of boat, then find the value of D.

(a) 66
(b) 71
(c) 78
(d) 62
(e) 59

Q52. A and B entered into a business and money invested by A is 20% less than B. After four months, C joined the business with an investment of a% more than the investment of A, while B left business after two more months. The difference between profit of C and B after one year is _____ times of the difference between profit of A and C. Find which option is correct for 'a' and fill in the blanks.
(a) 25, 5/4
(b) 20, 4/5
(c) 10, 4/5
(d) 50, 4/5
(e) 25, 2/5

Q53. A mixture contains Y liter wine and 280-liter water. When 150-liter wine added and 80-liter water drawn from the mixture the ratio of wine to water becomes 3: 1. Find the ratio of (Y-130) liter of wine to sum of 0.5Y and initial quantity of water.
(a) 88 : 101
(b) 72: 107
(c) 52: 109
(d) 64: 101
(e) None of these

Directions (54-58): The table given below shows the total number of students in two (X and Y) different streams, percentage of number of students in X and number of students in Y in four different colleges (P, Q, R and S). Some values are missing in the tables, which you have to calculate if required. Read the table carefully and answer the questions.

Colleges	Total number of students	Percentage of students in X	Number of students in Y
P	968	50%	
Q		65%	
R		44%	504
S	900		

Q54. In college S, the percentage range of number of students in X stream lies within 8 <X< 30 and X is an odd place multiple of 8. Find the number of students in stream Y in college S.
(a) 684
(b) 620
(c) 630
(d) 636
(e) 624

Q55. If the total number of students in college Z is thrice the number of students in stream X of college P and the number of students in Stream Y in college Z is 75% of the total number of students in that college, then find the average of total number of students in stream X of college Z and R together.
(a) 318.5
(b) 320.5
(c) 300.5
(d) 379.5
(e) 334.5

Q56. The number of students in stream Y in college Q is 146 more than three times the difference between total number of students in college P and S. Find the sum of total number of students in college R and the number of students in stream X in college Q.
(a) 1518
(b) 1520
(c) 1530
(d) 1536
(e) 1550

Q57. The total number of students in stream X of college Q is 414 less than average of total number of students in P and S. Find the students in stream Y of college Q.
(a) 180
(b) 200
(c) 300
(d) 280
(e) 240

Q58. If the average of total number of students in all the colleges is 822, then find the number of students in stream Y of college Q.
(a) 186
(b) 180
(c) 188
(d) 196
(e) 182

Directions (59-61): In the given questions, two quantities are given, one as 'Quantity I' and another as 'Quantity II'. You have to determine relationship between two quantities and choose the appropriate option.

Q59.
Quantity I: If P, Q, R are three consecutive whole numbers such that $P + Q + R = 6$, then $4(2x)^Q - 96x^P + 18(2)^R = 0$
Quantity II: $3y^2 - 13y + 12 = 0$
(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

Q60. A bag contains four yellow toffees, Z black toffees and five grey toffees. If one toffee drawn at random probability of being grey is 1/3.
Quantity I. 7/29
Quantity II. If two toffees taken out from the bag at random, then what will be the probability of that two toffees are black toffees.
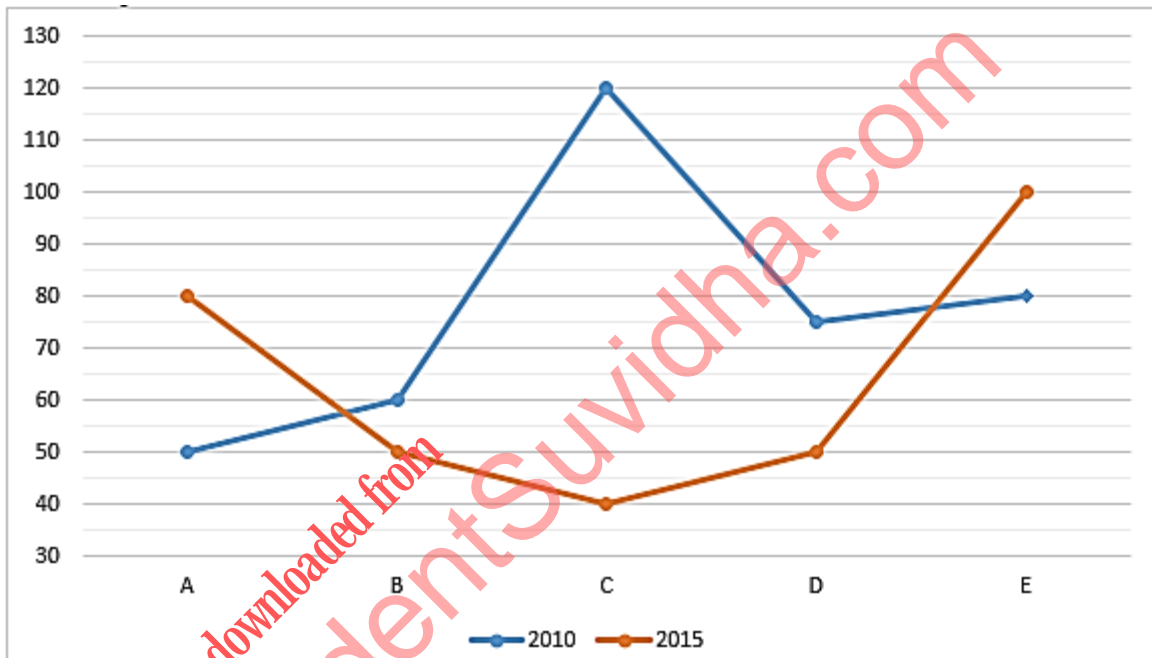(a) Quantity I > Quantity II
(b) Quantity I < Quantity II
(c) Quantity I ≥ Quantity II
(d) Quantity I ≤ Quantity II
(e) Quantity I = Quantity II or no relation

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Q61. Quantity I. When the two-digits of a natural number are reversed, the new number is 36 more than the original number. If sum of digits of the number is 10, then find the original number.

Quantity II. A shopkeeper marked an article 40% above its cost price and allows two successive discount 10% and X% respectively. If cost price of the article is Rs.250 and he earned 0.8% profit, then find the value of 4X.

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

Directions (62-66): The line chart given below shows the number of people (males + females) visited five different Pubs in 2010 and in 2015.

Q62. In 2010, the ratio of males to females visited pub A is 3:2. If $33\frac{1}{3}$% of the total males and 1/4 of total females went by their private vehicle, then find the number of people went by public vehicles.
(a) 35
(b) 20
(c) 30
(d) 36
(e) 24

Q63. In 2013, total number of females visited pub B is 20% more than that in previous year and the total number of females visited pub B in 2012 is 30 more than number of people visited same pub in 2015. Find the total number of females visited pub B in 2013.
(a) 81
(b) 92
(c) 96
(d) 84
(e) 94

Q64. In 2012, total number of people visited in pub C is the average of total number of people visited pub E in both the given years. Find number of people visited pub C in 2012 is how much more/less than people visited pub D in 2015.
(a) 18
(b) 20
(c) 30
(d) 45
(e) 40

Q65. In 2016, the total number of people visited pub D is 50% less than previous year and number of people visited same pub in 2011 is 20% more than previous year. Find the ratio of people visited pub D in 2011 to 2016.
(a) 18:19
(b) 12:11
(c) 13:15
(d) 18:5
(e) 5:18

Q66. Find the average number of people visited pub A and pub B in 2010 are what percent of total number of people visited pub D in 2015.
(a) 125%
(b) 120%
(c) 170%
(d) 110%
(e) 180%

Directions (67-69): The following questions are accompanied by two statements (i) and (ii). You have to determine which statement(s) is/are sufficient/necessary to answer the questions.

Q67. What profit is earned by selling a bike for Rs 50000.
i. The ratio of selling price and cost price is 2:1.
ii. The profit percentage by selling a bike is equal to 25%.
(a) Statement I alone is sufficient to answer the question but statement II alone is not sufficient to answer the question.
(b) Statement II alone is sufficient to answer the question but statement I alone is not sufficient to answer the question
(c) Both the statements taken together are necessary to answer the question, but neither of the statements alone is sufficient to answer the question.
(d) Either statement I or statement II by itself is sufficient to answer the question.
(e) Statements I and II taken together are not sufficient to answer the question.

Q68. The average age of A, B and C is 32 years, what will the age of A after three years.

i. The ratio between present age of A to that of C is 11 : 12, while age of B is 9 years less than C.

ii. The ratio between present age of A to that of B is 11 : 9 , while ratio between present age of B to that of C is 9 : 12.

(a) Statement I alone is sufficient to answer the question but statement II alone is not sufficient to answer the question.

(b) Statement II alone is sufficient to answer the question but statement I alone is not sufficient to answer the question

(c) Both the statements taken together are necessary to answer the question, but neither of the statements alone is sufficient to answer the question.

(d) Either statement I or statement II by itself is sufficient to answer the question.

(e) Statements I and II taken together are not sufficient to answer the question.

Q69. In how many days Arun alone completes the work.

i. Arun and Amit can complete a piece of work in 9 days.

II. Akanksha and Arun can complete a piece of work in 3 days.

(a) Statement I alone is sufficient to answer the question but statement II alone is not sufficient to answer the question.

(b) Statement II alone is sufficient to answer the question but statement I alone is not sufficient to answer the question

(c) Both the statements taken together are necessary to answer the question, but neither of the statements alone is sufficient to answer the question.

(d) Either statement I or statement II by itself is sufficient to answer the question.

(e) Statements I and II taken together are not sufficient to answer the question.

Q70. A spend 25% of his monthly salary on household and 20% of the remaining salary spend on rent. A spend remaining salary on travelling and food in the ratio of 2:3 respectively. Difference between amounts spend on food and household is Rs.1540, then find the monthly expenditure of A.

(a) Rs.18000

(b) Rs.15600

(c) Rs.12100

(d) Rs.14000

(e) Rs.9050

Q71. The radius and height of a cylinder is 16 cm and 21 cm respectively. If volume of a cone is 132 cm less than half of the volume of the cylinder and height of the cone is 12.5% more than radius of the cylinder, then find the radius of the cone.

(a) 10 cm

(b) 16.5 cm

(c) 14 cm

(d) 28.5 cm

(e) 21 cm

Q72. The cost price of an article is Rs.550 and marked up by X% above its cost price. The shopkeeper also allows a discount of 30% on marked price and earned a profit of 12%. If cost price of another article is Rs. (X+450) and shopkeeper suffered a loss of 20% on it, then find the selling price of new article.
(a) Rs.420
(b) Rs.408
(c) Rs.492
(d) Rs.422
(e) Rs.465

Q73. The ratio of present ages of P to that of Q is 5:7 and six years ago, the age of R was equal to the age of Q four years hence. If difference between age of P after nine years and present age of Q is seven years, then find the average of present ages of P, Q and R.
(a) 19 years
(b) 29/3 years
(c) 25/3 years
(d) 12 years
(e) 11/3 years

Directions (74-78): Read the information carefully and answer the following question.
The information shows manufacturing of bags by three companies X, Y and Z from Monday to Friday.
Company X – On Monday and Tuesday, it manufactures bags in the ratio of 1:2 respectively. On Thursday, it manufactures 60 less bags than on Monday. On Friday, it manufactures 60 more bags than Monday. The total manufacturing of bags on all days except Wednesday is 1000.
Company Y – The manufacturing of bags on Friday and Thursday is same i.e. 15% out the total manufacturing of bags in all days.
Company Z – The manufacturing of bags on Tuesday and Wednesday is same i.e. 12% out the total manufacturing of bags in all days. Total bags manufactured by Z are 1200 in all days.
The sum of total manufacturing of bags on Wednesday and Tuesday by all the companies are 744 and 1194 respectively. Ratio of manufacturing of bags by X, Y and Z is 14:15:12 respectively. Total number of bags manufactured on Monday by all the companies is 100 more than that on Thursday and 162 less than that on Friday.

Q74. Find the difference between total bags manufactured by Z on Thursday and total bag manufactured by Y on Wednesday.
(a) 15
(b) 25
(c) 45
(d) 35
(e) 55

Q75. Find the ratio of total bags manufactured on Monday to that on Thursday by all the companies.
(a) 6:7
(b) 2:1
(c) 3:5
(d) 8:5
(e) 7:6

Q76. The number of bags manufactured on Monday by Y is what percent of total bag manufactured by Y on Friday.

(a) 125%

(b) 77%

(c) 70%

(d) 88.88%

(e) 80%

Q77. The bags manufactured by Z on Fridays is what percent more/less than bags manufactured by Z on Monday.

(a) 44%

(b) 33%

(c) 55%

(d) 66%

(e) 25.66%

Q78. If company A manufactured 20% more bags than total bags manufactured by all the companies on Thursday, then find the total number of bags manufactured by company A in all days is approximately what percent of total bags manufactured by company X in all days.

(a) 65%

(b) 51%

(c) 70%

(d) 110%

(e) 80%

Directions (79-82): What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

Q79.

$$\sqrt{(38.024 \times 44.998) + \frac{89.89}{1.99} + 2.91^2 + ?} = 59.802\% \ of \ 399.98$$

(a) 156

(b) 178

(c) 204

(d) 198

(e) 240

Q80.

$$\frac{19.94\% \ of \ 4209.80}{1.99} - 18.2^2 = ? \times 2.012 + 1.01$$

(a) 48

(b) 24

(c) 19

(d) 54

(e) 78

Q81.

$549.91 \div 9.98 + 40.02\% \ of \ 650.01 + 28.01 = ?^3$

(a) 11
(b) 4
(c) 1
(d) 7
(e) 18

Q82.

$240.01\% \ of \ 79.809 + 90.01\% \ of \ 460.05 = \dfrac{?}{2.90}$

(a) 1240
(b) 1818
(c) 1618
(d) 1911
(e) 2021

Directions (83-87): The data given below is about number of articles sold by X, Y and Z in three different years from 2020 to 2022.

Total number of articles sold by X, Y and Z in 2022 is 347. Total number of articles sold in all three years by Y and Z is 400 and 227 respectively. Articles sold by Z in 2021 and 2022 are in the ratio of 8:7. The ratio of articles sold by X and Z in 2020 is 1:2. The number of articles sold by Z in 2020 is 20 more than the articles sold by it in 2021. The number of articles sold by Y in 2022 is four times the number of articles sold by X in 2020. The number of articles sold by Y and Z in 2020 is 25:23. In 2021, X sold thrice the number of articles sold by it previous year.

Q83. Find the average of total articles sold by X, Y and Z in 2022, 2020 and 2022 respectively.

(a) $125\frac{1}{3}$

(b) $120\frac{1}{3}$

(c) $170\frac{1}{3}$

(d) 110

(e) $180\frac{1}{3}$

Q84. Find the ratio of total articles sold by X to Y in all the given years.

(a) 33:35
(b) 21:23
(c) 100:71
(d) 71:100
(e) 71:73

Q85. Total article sold by Y in 2020 is what percent more/less than that of total article sold by X in 2022?

(a) 60%
(b) 75%
(c) 50%
(d) 100%
(e) 0%

Q86. Find the total article sold in year 2021.
(a) 315
(b) 325
(c) 345
(d) 326
(e) 355

Q87. In 2023, that article sold by X is 45% more than the previous year. In 2020, the article sold by Y is decreased by 75% from previous year. Find the sum of article sold by X in 2023 and Y in 2019.
(a) 545
(b) 525
(c) 565
(d) 535
(e) 555

Directions (88-90): Solve the given quadratic equations and mark the correct option.

Q88.
I. $(3x - 2)^2 = 16$
II. $y^2 + 7y + 12 = 0$

(a) x < y
(b) x=y or no relation can be established between x and y.
(c) x > y
(d) x ≤ y
(e) x ≥ y

Q89.
I. $\frac{48}{x^2} - \frac{26}{x} + 3 = 0$
II. $\frac{105}{y^2} + 2 = \frac{29}{y}$

(a) x < y
(b) x=y or no relation can be established between x and y.
(c) x > y
(d) x ≤ y
(e) x ≥ y

Q90.
I. $x^2 - 3x - 10 = 0$
II. $(4y + 7)^2 = 9$

(a) x ≤ y
(b) x < y
(c) x > y
(d) x=y or no relation can be established between x and y.
(e) x ≥ y

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Directions (91-95): Study the following information carefully and answer the below questions.

Eight persons – O, P, Q, R, S, T, U and V sit in a row in such a way that some face north whereas some face south. Each person is of different ages viz.- 18, 23, 24, 25, 26, 33, 35 and 38. All the information is not necessary in the same order.

Note: Not more than two persons facing in the same direction sit together. The consecutive alphabetically named persons do not sit together.

S sits third from one of the extreme ends and sits fourth to the left of the one who is 35 years. The one who is 35 years sits second to the left of O and faces north. Only two persons sit between O and the one who is 38 years. T sits third to the left of V both face in the same direction. V who is 26 years sits immediate left of S. T's age is seven more than the age of R. S's age is nine more than the age of Q. U sits immediate right of Q. P and the one who is 24 years face in the same direction. At least one person sits between the one who is 18 years and O.

Q91. What is the difference between the age of O and T?
(a) 5 years
(b) 2 years
(c) 8 years
(d) 11 years
(e) None of these

Q92. How many persons sit to the left of the one who is 23 years?
(a) Six
(b) Four
(c) Three
(d) One
(e) None of these

Q93. What is the position of S with respect to the one who is 25 years?
(a) Fifth to the right
(b) Immediate left
(c) Second to the right
(d) Third to the left
(e) None of these

Q94. Which of the following statement(s) is/are not true?
(a) Three persons sit to the left of the one who is 23 years
(b) P is 38 years
(c) More than two persons sit to the right of Q
(d) More than two persons sit to the left of U
(e) All the above statements are true

Q95. Who among the following persons sit between the one who is 23 years and T?
I. The one who is 38 years
II. U
III. The one who is 26 years
(a) Both I and III
(b) Only III
(c) Both I and II
(d) Only I
(e) None of these

Q96. In one of the historical reforms of the economy of India, Rs 500 and Rs 1,000 notes were banned. This was one of the boldest movements by the Government of India announced over a 40-minute speech. Most of the industry and commoners alike reacted to this decision to curb corruption with overwhelming support. Whereas some sections are of the opinion that it is a draconian scheme causing hardships to people. A recent study had pegged India's black-market economy at over Rs 30 lakh crore or about 20 percent of total GDP. This is even bigger than the GDP of countries like Thailand and Argentina.
Rather getting support from most of the industry, what would have been the reason that some of them declared it as a draconian scheme?
(I) It was declared without giving time to people to withdraw ample cash for their use.
(II) It had caused certain hardships in daily activities.
(III) It stopped the earning of black money for majority of the people.
(a) Only II and III
(b) Only III
(c) Only I and II
(d) Only I and III
(e) All of three

Directions (97-100): Read the given information carefully to answer the related questions:
'Humanity total awesome summer' is coded as '@β& %!& #%! @!&'
'Olive science escape juridical' is coded as '%β# %!& @!? @!&'
'Some paper Select activity' is coded as '@β? %!& @!& @!&'
'Pattern real box effort' is coded as '%!& @ β? % β& @!&'

Q97. What will be the code for 'Vacuum'?
(a) ?%!
(b) ?@β
(c) ?@!
(d) &?!
(e) None of these

Q98. Which of the following combination is correct?
(a) Official - ?%!
(b) Usual - &%!
(c) Education - #!@
(d) Scoreboard - &@!
(e) Orange - β#@

Q99. Which of the following word will be coded as '&%!'?
(a) Reference
(b) Intensified
(c) Aqueducts
(d) Urbanization
(e) About

Q100. What will be the code for 'Ethical automobile'?
(a) &%! !#@
(b) &%β #@!
(c) None of these
(d) #!@ %?β
(e) ?#@ %&!

Directions (101-105): Read the given information carefully and answer the questions based on it:
Nine persons go to different cities in four months i.e., March, January, September and December. They go in four dates viz, 3, 6, 15 and 21 of each month. One person goes on one date. Each person necessarily goes on prime numbered date. Maximum two persons can go on even numbered date.
B does not go in any odd numbered date. Number of days between B and the one who go to Rohtak is a multiple of 5. Only D and the one who goes to Rohtak go on same date. D goes just before T who goes after B. Number of persons go between R and T is same as between T and E. E goes last but not in odd numbered date. K goes adjacent to the one who goes to Rohtak but only before the person who goes to Hisar. No other person goes on the date on which the person who goes to Ajmer goes. Three persons go between the one who goes to Ajmer and Agra. G neither goes in the month of 30 days nor before R. H goes before S in the same month. One month gap between the persons who go to Surat and Noida and both go on same date. The one who goes to Raipur goes one day before the one who goes to Noida. The one who goes to Kochi goes before the one who goes to Alwar.

Q101. Which of the following statement is true?
(a) Only one person goes in the month of January
(b) More than one person goes between S and E
(c) No one goes after the one who goes to Alwar
(d) H goes on 3rd of any month
(e) S goes to Ajmer

Q102. Who among the following goes three persons after the one who goes to Raipur?
(a) The one who goes to Hisar
(b) The one who goes in the month of E
(c) The one who goes before T
(d) The one who goes on 21 September
(e) None of these

Q103. Four of the following five are same in a certain manner and belong to a group, who among the following does not belong to the group?
(a) The one who goes to Surat
(b) The one who goes two persons before D
(c) The one who goes 2nd last
(d) The one who goes three days before S
(e) The one who goes just before the one who goes to Rohtak

Q104. Two persons go in which of the following month?
(a) January
(b) September
(c) December
(d) March
(e) Both January and December

Q105. The one who goes to Kochi goes on which date?
(a) 21 March
(b) 15 September
(c) 3 January
(d) 21 January
(e) 6 March

Directions (106-107): Restrictions and curfews have been enforced once again in several parts of the country owing to the unprecedented surge of Covid-19 cases, especially in urban hot spots of the viral illness. The curbs have triggered fear among migrant workers in metropolises, many of whom have begun leaving cities to go back to their hometown over concerns that they could be stranded in the middle of another full-fledged lockdown if the trend continues.

Q106. Which of the following is not in line of the above statement?
(I) Australian Government has put a ban on the flights coming from India due to rapid increase in number of corona cases in India.
(II) At New Delhi railway station, there is large gathering of workers to travel Patna & Gorakhpur.
(III) IPL is conducting in India this year despite of increasing in number of cases and it will boost the Indian economy.
(a) Only I and III
(b) Only II and III
(c) Only III
(d) Only I and II
(e) None of them

Q107. What course of action Central and State government of metropolitan cities should take to solve the issue of migrant workers?
(I) All the restriction which has been taken to control corona should be withdrawal immediately.
(II) Compensation should be provided to migrant workers monthly which get affected due to these restrictions.
(III) Government should not impose a complete lockdown, keeping in mind of the bread and butter for migrant workers.
(a) Only I and III
(b) Only II
(c) Only II and III
(d) Only III
(e) Only I and II

Directions (108-112): An alphanumeric machine when given an input, rearranges it by following a particular rule in each step. The following is an illustration of the input and steps rearrangement:
Input: Trauma 36 Dynamic 65 Portrayed 44 Minute 55 Permanent 67
Step I: 67 36 Dynamic 65 Portrayed 44 Minute 55 Permanent Trauma
Step II: 67 Dynamic 36 Portrayed 44 Minute 55 Permanent Trauma 65
Step III: 67 Dynamic 55 36 44 Minute Permanent Trauma 65 Portrayed
Step IV: 67 Dynamic 55 Minute 44 Permanent Trauma 65 Portrayed 36
Step V: 67 Dynamic 55 Minute 44 Trauma 65 Portrayed 36 Permanent
Step V is the last and final step of the rearrangement. With the same rules followed in the above arrangement determine the steps for the following input.
Input: Parrots 75 Nancy 64 Potato 56 Rest 62 Lose 27

Q108. What is the sum of the numbers between the elements "Nancy" and "Lose" in step II of the given input?
(a) 194
(b) 133
(c) 153
(d) 139
(e) 102

Q109. In which of the following step, the elements "Potato 64 Rest Nancy 62" obtained in the same order?
(a) Step III
(b) Step I
(c) Step II
(d) Step IV
(e) There is no such step

Q110. How many numbers are in between the elements "Lose" and "Nancy" in step V of the given input?
(a) Two
(b) One
(c) Five
(d) Four
(e) Three

Q111. Which of the following element is fifth from the left in step IV of the given input?
(a) Potato
(b) Parrots
(c) 62
(d) Nancy
(e) 64

Q112. Which of the following element is second to the right of "Potato" in step III of the given input?
(a) 64
(b) Nancy
(c) Potato
(d) 27
(e) None of the above

Directions (113-116): Read the following information carefully to answer the given questions:
In a certain code language,
If R*T (31) means R is 27m east of T
R/T (12) means R is 9m west of T
R=T (45) means R is 36m south of T
RθT (24) means R is 18m north of T
Statement: A/B (52), C=B (37), DθA (69), A*F (29), G=F (48), H/C (63), J*G (42), K*B (41), LθK (57)

Q113. What is the total distance between L to C?
(a) 108m
(b) 130m
(c) 126m
(d) 102m
(e) None of these

Q114. Four of the following five are same in a certain pattern and related to a group, which among the following does not belong to the group?
(a) F-H
(b) D-L
(c) A-C
(d) G-B
(e) F-C

Q115. In which direction is H with respect to A?
(a) North-east
(b) South
(c) South-west
(d) East
(e) None of these

Q116. Which of the following point(s) is/are not in the south-east of D?
I. K II. F III. J IV. B V. H
(a) Only II and III
(b) Only V
(c) Only II and V
(d) Only I, III and V
(e) Only IV

Directions (117-121): Read the given information carefully and answer the questions based on it:
Seven persons like different colors and they go to three cities viz, Pune, Gurugram and Chandigarh. At least one and not more than three persons go to a city.
G neither goes to Pune nor with the one who likes white. B neither goes with G nor goes to Pune. A goes with the one who likes white but not with B. R goes only with the one who likes blue but both of them neither goes to Chandigarh nor with A. The one who likes red and grey go together but not to Chandigarh. M and S go together but none of them likes grey. K likes yellow but does not go with the one who likes green. B does not like pink and M does not like white.

Q117. Which of the given statement is not correct?
(a) The one who likes grey go to Gurugram
(b) B goes only with one person
(c) More than one person goes to Chandigarh
(d) G likes pink
(e) Three persons go to Pune

Q118. __ likes ___ and goes to ___.
(a) R, green, Pune
(b) M, red, Chandigarh
(c) B, blue, Gurugram
(d) G, blue, Gurugram
(e) A, white, Pune

Q119. Who among the following likes pink?
(a) G
(b) M
(c) R
(d) A
(e) S

Q120. Four of the following five are similar in a certain way and related to a group, who among the following does not belong to the group?
(a) M-Pune
(b) Yellow-Chandigarh
(c) B-blue
(d) Pune-pink
(e) S-white

Q121. One of the persons who goes to Pune likes which color?
(a) Blue
(b) Yellow
(c) Green
(d) Red
(e) Pink

Directions (122-123): In one of the historical reforms of the economy of India, Rs 500 and Rs 1,000 notes were banned. This was one of the boldest movements by the Government of India announced over a 40-minute speech. Most of the industry and commoners alike reacted to this decision to curb corruption with overwhelming support. Whereas some sections are of the opinion that it is a draconian scheme causing hardships to people. A recent study had pegged India's black-market economy at over Rs 30 lakh crore or about 20 percent of total GDP. This is even bigger than the GDP of countries like Thailand and Argentina.

Q122. Which of the following can be assumed from the above statement?
(I) After this historical decision, corruption rate would have been go down in India.
(II) India is ranked among top 5 big economic country.
(III) Many of the countrymen wanted to corruption and black marketing should be reduced.

(a) Only I and III
(b) Only II
(c) All of three
(d) Only II and III
(e) None

Q123. Which of the following negates the motive behind the decision taken by Government of India?
(I) In recent survey, India falls with 25 rank in terms of corruption among world.
(II) Mr X, the former CEO of a reputed company has been arrested in corruption charge of Rs. 15 thousand crores.
(III) CBI has raided the house of top businessmen of different states and has seized a total of 2 lakh crores of black money.
(a) Only I
(b) Only I and III
(c) Only II
(d) Only II and III
(e) All of three

Directions (124-125): In the following questions, the symbol +, %, # and @ are used with the following meaning as indicated below. Study the following information and answer the given questions. Given statements are 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.
A+B – No A is B
A%B – Some A are B
A#B – Some A are not B
A@B – All A are B

Q124. Statement: Air % Black, Button # Round, Black @ Button, Black + Word
Conclusions:
I. Air # Round
II. Word @ Air
III. Word + Air
(a) Either II or III follow
(b) Only II follows
(c) None follows
(d) Both I and III follow
(e) None of these

Q125. Statement: Cool + Tissue, Cool @ Plane, Grey @ Cool, Soft % Plane
Conclusions:
I. Grey + Tissue
II. Soft % Grey
III. Plane # Tissue

(a) All follow
(b) Only I follows
(c) Only II follows
(d) None of these
(e) Both I and III follow

Directions (126-128): 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.

Q126. Seven persons- Q, R, S, T, U, V and W sit around a circular table facing outside the table but not necessarily in the same order. Who among the person sits second to the right of U?
Statement I: T sits second to the right of Q. V is an immediate neighbour of Q. S sits third to the right of V. U does not sit adjacent to S.
Statement II: R sits immediate right of T. Two persons sit between T and W. Q sits second to the left of W. Three persons sit between Q and V.
(a) If the data given in statement I alone is sufficient to answer the question.
(b) If the data given in statement II alone is sufficient to answer the question.
(c) If the data given in either statement I alone or statement II alone is sufficient to answer the question.
(d) If the data given in both statements I and II together are sufficient to answer the question.
(e) If the data given in both statements I and II together are not sufficient to answer the question.

Q127. Seven persons- P, Q, R, S, T, U and V live on seven different floors of a building but not necessarily in the same order. The lower- most floor is numbered as 1 and the floor immediately above it is numbered as 2 and so on till the topmost floor is numbered as 7. Who among the person lives three floors below P?
Statements I: T lives three floors above U. Only two persons live between U and Q. Only one person lives between Q and V. P lives above U but does not live on an even numbered floor.
Statement II: Four persons live between S and T. S lives on a prime numbered floor. Three persons live between S and R. U lives two floors below R.
(a) If the data given in statement I alone is sufficient to answer the question.
(b) If the data given in statement II alone is sufficient to answer the question.
(c) If the data given in either statement I alone or statement II alone is sufficient to answer the question.
(d) If the data given in both statements I and II together are sufficient to answer the question.
(e) If the data given in both statements I and II together are not sufficient to answer the question.

Q128. Seven persons- A, B, C, D, E, F and G sit at some distance from each other. What will be the shortest distance between D and A?
Statement I: B sits 6m north of E. A sits 10m west of B and 16m south of F. D sits towards the east of F.
Statement II: C sits 12m east of D who sits 16m north of E. E sits exactly between A and B. B is sitting towards the south of C.
(a) If the data given in statement I alone is sufficient to answer the question.
(b) If the data given in statement II alone is sufficient to answer the question.
(c) If the data given in either statement I alone or statement II alone is sufficient to answer the question.
(d) If the data given in both statements I and II together are sufficient to answer the question.
(e) If the data given in both statements I and II together are not sufficient to answer the question.

Directions (129-131): Study the following information carefully and answer the questions given below.

J $ K means J is the wife of K

J @ K means J is the father of K

J & K means J is the brother of K

J % K means J is the mother of K

J # K means J is the sister of K

Q129. Which of the following is true if the expression 'C @ A # G $ F & P % L' is definitely true?

(a) L is the father of A

(b) F is the mother of L

(c) A is the brother of P

(d) P is the daughter of C

(e) A is the sister-in-law of F

Q130. How is F related to I in 'J # I @ H & G $ F'?

(a) Son-in-law

(b) Daughter-in-law

(c) Mother

(d) Son

(e) Brother

Q131. How is Q related to N's child in 'N @ P $ O @ Z # Y $ Q'?

(a) Mother-in-law

(b) Daughter-in-law

(c) Son-in-law

(d) Sister-in-law

(e) None of These

Q132. In the word 'LEXICOGRAPHY', if first five letters are replaced with its immediate previous letters and last five letters are replaced with its immediate next letter (remaining letter will remain same), then in the new word formed, remove all the vowels and repeated letters from the words. Now, find how many letters are in between the letter which is 3 rd from left end and 5 th from right end after the rearrangement in the word?

(a) 15

(b) 14

(c) 16

(d) 13

(e) None of these

Q133. If 2nd letter from left of each word in each option is picked, then how many four-letter meaningful words can be formed by using the letters (each at once) which come after L (in alphabetical series) among those letters which are picked from each word?

I. Model, Park, Desk

II. Event, Skin, Action

III. Vacuum, Agency, Human

IV. Object, Speed, Within

V. Teacher, Engine, Owner

(a) Two

(b) Three

(c) None

(d) One

(e) None of these

Q134. In the words 'EMANCIPATE' and 'HERPETOLOGY', if the repeated letters are removed within each word, after then the remaining letter are rearranged in dictionary order from left to right. Now, in the new combined word, if first six letters are replaced with its opposite letters and last six letters are replaced with its immediate next letter (as per alphabetical series) and the middle letter with remain same. Now, find how many pair of letters are in this new word (formed after rearrangement), each of which have as many letters between them as they have between then in English alphabet (only in forward direction)?

(a) Six

(b) None of these

(c) Four

(d) Seven

(e) Eight

Directions (135-139): Study the following information carefully and answer the below questions.

Fourteen persons sit in two parallel rows in such a way that H, I, J, K, L, M and N sit in row 1 whereas T, U, V, W, X, Y and Z sit in row2. Row 1 is north of row 2. Persons in row 1 sit exactly opposite to persons in row 2. Some face north whereas some face south. The consecutive alphabetically named persons do not sit together. Not more than two persons facing in the same direction sit together.

H sits third to the left of N and none of them sits at the end. The one who sits opposite to N sits second to the right of X who faces south. Y sits immediate right of T and both face in the same direction. M sits fourth to the right of I and opposite to Y. T sits second to the right of W. The number of persons sit to the left of W is the same as the number of persons sit between J and L. Both Z and K face in the same direction. As many persons sit between K and M as to the left of Z. The persons sitting adjacent to H face in opposite directions. Both L and U are facing in the same direction but face opposite to H who faces south.

Q135. How many persons sit to the right of V?

(a) Four

(b) Six

(c) Two

(d) One

(e) None of these

Q136. Which of the following statement(s) is/are not true?

(a) J sits opposite to the one who sits third to the right of X

(b) X doesn't sit opposite to I

(c) H sits immediate left of K

(d) More than two persons are sitting to the left of Y

(e) All the above statements are true

Q137. Four of the following five are alike in a certain way as per the given arrangement and thus form a group. Find the one which does not belong to that group?

(a) HY

(b) IV

(c) JW

(d) MU

(e) NX

Q138. What is the position of H with respect to J?

(a) Immediate right

(b) Third to the left

(c) Second to the right

(d) Fourth to the left

(e) None of these

Q139. Who among the following persons sit between Y and Z?

I. The one who sits opposite to J

II. V

III. The one who sits third to the left of W

(a) Only II

(b) Both I and III

(c) Only III

(d) Both II and III

(e) None of these

Q140. If it is possible to make a five-letter meaningful word with the second, fourth, sixth, ninth and eleventh letters of the word "ORIGINATIVE", then how many meaningful words can be formed?

(a) One

(b) Two

(c) Three

(d) Four

(e) None