SBI Clerk Prelims Previous Year Paper 2022 Mock 6

Directions (1-5): Study the following information carefully and answer the questions given below.
Eight persons are going for a party in different months of a year viz. March, April, May, June, July, August, September and October. S goes in a month which has 31 days. Three persons go for party in between R and S. P goes for a party immediately before T but not in a month which has 31 days. Only two persons go for party in between W and Q. T goes in a month before S. Only one person goes in between U and V. W goes before S. U does not go after Q.

Q1. How many persons are going for party between P and Q?
(a) No one
(b) Two
(c) Four
(d) More than Four
(e) None of these

Q2. Who among the following goes immediately before W?
(a) P
(b) T
(c) R
(d) U
(e) None of these

Q3. Which of the following statement(s) is/are true about U?
(a) U goes in the month which have even number of days.
(b) More than three persons go between U and R
(c) U goes immediate before S
(d) W goes immediate before U
(e) Both (b) and (d)

Q4. In which month Q goes for party?
(a) August
(b) July
(c) October
(d) September
(e) None of these

Q5. Who among the following going for party in October?
(a) V
(b) W
(c) S
(d) U
(e) None of these
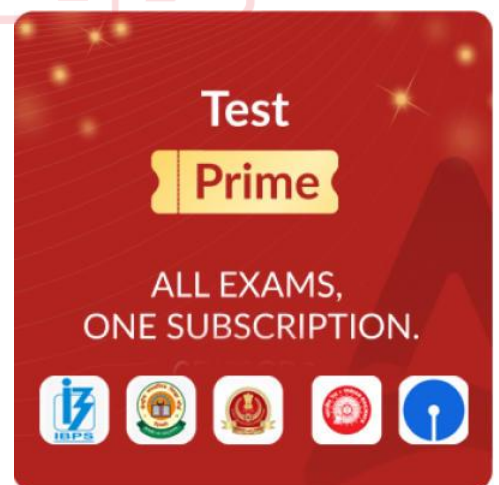
Directions (6-8): In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

Q6.
Statements: N > Z ≥ Y = J ≤ K < Q ≤ B, C > Y
Conclusions:
I. Y < B
II. C ≥ Q
(a) Both conclusions I and II are true
(b) Either conclusion I or II is true
(c) Only conclusion I is true
(d) Neither conclusions I nor II is true
(e) Only conclusion II is true

Q7.
Statements: Z ≥ Y = J ≤ K < Q ≤ B; A ≥ Z
Conclusions:
I. A > Q
II. A ≥ J
(a) Both conclusions I and II are true
(b) Only conclusion II is true
(c) Neither conclusion I nor II is true
(d) Either conclusions I or II is true
(e) Only conclusions I is true

Q8.
Statements: T < I = Z ≤ H; G < I
Conclusions:
I. H > T
II. H > G
(a) Both conclusions I and II are true
(b) Either conclusion I or II is true
(c) Neither conclusion I nor II is true
(d) Only conclusion I is true
(e) Only conclusion II is true

Q9. How many such pairs of letters (both forward and backward direction) are there in the given word 'NIGHTMARE' each of which has as many letters between them as they have in the English alphabet?
(a) Three
(b) Seven
(c) Two
(d) Four
(e) One

Q10. Among P, Q, R, S and T, each one of them is of different heights. S is taller than Q. R is taller than P. T is taller than only two persons. P is not the shortest and R is not tallest. Who among them is the second tallest?
(a) Q
(b) S
(c) R
(d) T
(e) P

Directions (11-15): Study the following information carefully and answer the questions given below.
Eight persons A, B, C, D, E, F, G and H are sitting in a linear arrangement but not necessarily in the same order. Some of them face north while some of them face south direction. Only two persons sit between C and D who sits at an extreme end of the row. H sits third to the right of F and B sits second to the left of H. Both C and E are immediate neighbour of each other but both of them face opposite direction to each other. F faces in north direction. B faces same direction as F but H faces its opposite direction. G is not an immediate neighbour of B. Both D and G face same direction as H and Both E and A face same direction as B.

Q11. How many persons sit between G and A?
(a) Three
(b) Two
(c) Five
(d) Four
(e) One

Q12. Who among the following sits third to the right of the one who sits second to the left of E?
(a) A
(b) H
(c) D
(d) G
(e) None of these

Q13. Who among the following is/are an immediate neighbor of F?
(a) The one who sits immediate left of A
(b) The one who sits second to the right of H
(c) The one who is immediate neighbor of B
(d) The one who sits third to the left of E
(e) Both (b) and (d)

Q14. Which of the following statement is true about A?
(a) A sits immediate right of H
(b) C is an immediate neighbor of A
(c) Not more than three persons sit between A and F
(d) A sits one of the extreme end of the row
(e) None of these

Q15. Who among the following sits third to the left of H?
(a) A
(b) G
(c) F
(d) B
(e) No one

Directions (16-18): In each of the questions below some statements are given 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.

Q16. Statements:
Only a few Race are track
No track are Stadium
All track is Map
Conclusion:
I. Some race are stadium
II. No stadium is race
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q17. Statements:
All Party are Speech
Some Speech are Clinic
Only clinic are Home
Conclusion:
I. All Home can never be Speech
II. Some clinic can be Party
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Q18. Statements:
Only a few Paper are News
No News is bad
Only a few bad are good
Conclusions:
I. Some paper are not bad
II. All good can be news
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Directions (19-23): Study the information carefully and answer the questions given below.
There are eight boxes J, K, L, M, N, O, P and Q are placed one above another but not necessarily in the same order. One box is placed between Box P and Box L. Two boxes are placed between Box K and Box N. Box Q is placed immediately below Box N. Box M is placed above the box N and below the box O. Box M is placed neither just below nor just above the box O and N. Box J and Box O is not placed above Box P. Box L is placed below box O.

Q19. Which of the following box is placed just below box L?
(a) N
(b) Q
(c) M
(d) J
(e) None of these

Q20. Which of the following box is placed just above box N?
(a) O
(b) L
(c) P
(d) J
(e) None of these

Q21. How many boxes are placed between box O and box N?
(a) Three
(b) Two
(c) One
(d) Four
(e) None

Q22. What is the position of box M?
(a) Third from the topmost
(b) Second from the topmost
(c) Third from the bottommost
(d) Second from the bottommost
(e) None of these

Q23. Four of the following five are alike in certain way based from a group, find the one that does not belong to that group?
(a) P-L
(b) O-K
(c) N-M
(d) L-N
(e) Q-J

Directions (24-26): Study the given information and answer the following question.
Point Y is 10m west of Point G. Point U is 8m north of O. Point G is 5m north of point D. Point D is 10m south of F. Point J is 4m east of U. Point F is 6m east of point J.

Q24. What is the shortest distance between point O and point G?
(a) 10m
(b) 9m
(c) √109m
(d) 12m
(e) None of these

Q25. Point J is in which direction with respect to point D?
(a) South
(b) South-East
(c) North
(d) North-East
(e) None of these

Q26. If a point M is 8m north of point J, then what will be the shortest distance of point M with respect to point F?
(a) 18m
(b) 10m
(c) 12m
(d) 15m
(e) None of these

Directions (27-31): Study the following alphanumeric symbol series and answer the questions given below.
5 4 B U M 6 ⧠ I A 7 $ J # 2 R Q D H L O @ P % 1 T E F

Q27. How many such symbols are there in the above arrangement each of which is immediately followed by a number and also immediately preceded by a consonant?
(a) None
(b) One
(c) Two
(d) Three
(e) None of these

Q28. If we remove all the vowels from the series, then which of the following alphabet will be 5ᵗʰ from right end?
(a) P
(b) H
(c) D
(d) Q
(e) None of these

Q29. How many such vowels are there in the above arrangement each of which is immediately followed by a consonant and also immediately preceded by a symbol?
(a) None
(b) One
(c) Two
(d) Three
(e) None of these

Q30. How many such consonants are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a consonant?
(a) None
(b) One
(c) Four
(d) Three
(e) Two

Q31. If we remove all the vowels and symbols from the series, then which element will be 13th from left end?
(a) L
(b) H
(c) D
(d) Q
(e) None of these

Directions (32-35): Study the following information carefully to answer the given questions:
Ten persons A, B, C, D, E, F, G, H, K and L are living in a five-storey building such that ground floor is numbered as 1, above it is floor 2 and so on till the topmost floor is numbered as 5. Each of the floors has 2 flats in it as flat-1 and flat-2. Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on. Flat-1 is in the west of flat-2.
A lives on an even-numbered floor and in an even-numbered flat. One floor gap between A and L and both of them live in same flat. B lives on an even prime numbered floor. There is two floors gap between B and H. G and D lives on the same floor but below A. G does not live in the same flat as A. E lives immediately below H but both are living in different flat. C and K live in the same flat but both live above L's floor. C and F doesn't live on same floor.

Q32. How many floors are there between F and D?
(a) Two
(b) One
(c) Four
(d) Three
(e) None of these

Q33. Who among the following lives on flat-1 of floor 3?
(a) F
(b) E
(c) C
(d) K
(e) None of these

Q34. The number of floors between B and D is same as the number of floors between ____ and ____.
(a) G and A
(b) C and K
(c) H and K
(d) F and L
(e) None of these

Q35. Who among the following lives immediate above G's floor?
(a) F
(b) L
(c) E
(d) B
(e) Both L and B

Q36. The ratio between the speed of a train and a bus is 8:5 respectively. Also, a car covered a distance of 320km in 10hrs. The speed of car is half the speed of the train. Find the speed of bus.
(a) 40 km/hr
(b) 45 km/hr
(c) 48 km/hr
(d) 58 km/hr
(e) 50 km/hr

Q37. Raman's present age is two-fifth of the age of his father. Find the age of Raman after 10 years if the sum of present ages of Raman and his father is 63years.
(a) 18 years
(b) 20 years
(c) 28 years
(d) 16 years
(e) 14 years

Q38. Anurag buys an old laptop for Rs. 17500 and spends Rs. 2,500 for its repair. He is not satisfied from his laptop and sells the laptop at Rs. 22,500. Find his profit percent?
(a) 20%
(b) 12.5%
(c) 15%
(d) $14\frac{2}{7}\%$
(e) 25%

Q39. In an examination, it is required to get 45% of the aggregate marks to pass. A student gets 700 marks and has declared failed by 10% marks. What was the maximum aggregate marking a student can get?
(a) 2000
(b) 1800
(c) 1500
(d) 2200
(e) 2500

Q40. Area of a rectangular field is 144 m² and ratio of its length to breadth is 9 : 4. Find cost of fencing the field, if cost of wire which is to be fenced is 4 Rs/m?
(a) Rs 200
(b) Rs 216
(c) Rs 208
(d) Rs 202
(e) Rs 252

Q41. An amount is lent out at y% p.a. at S.I for 2 years. If it had been lent at 2y% p.a at S.I for 'a' more years, then the interest would have been five times of the earlier interest. Find the value of 'a'.(in years)
(a) 5
(b) 4
(c) 3
(d) 2
(e) none of these

Q42. 20 boys go for dinner. 16 of them spent Rs. 64 each on their dinner and rest spent Rs 4 more than the average expenditure of all 20. What was the total money (in Rs.) spent by them?
(a) 1200
(b) 1500
(c) 1800
(d) 1300
(e) None of these

Q43. If the difference between selling price of an article when sold at 20% profit and 20% loss is Rs 60, then what is the cost price of the article?
(a) Rs 180
(b) Rs 120
(c) Rs 160
(d) Rs 150
(e) Rs 200

Q44. 4 women can complete piece of work in 5 days, whereas 12 children take 10 days to complete the same work. How many days will 5 women and 10 children together take to complete the piece of work?
(a) 25 days
(b) 15 days
(c) 20 days
(d) 3 days
(e) 32 days

Q45. The speed of boat in upstream is thrice the speed of current and the speed of boat in downstream is 30 km/hr. Then find the time taken by boat to travel 63 km in upstream.
(a) 3.5 hr
(b) 3 hr
(c) 4.5 hr
(d) 4 hr
(e) 5 hr

Directions (46-50): Study the following information carefully and answer the questions given below. The following table shows the total number of people who work in four different places in two different years.

Places	2019	2020
Noida	320	450
Gurugram	360	420
Janakpuri	300	240
Ghaziabad	280	420

Q46. The number of people who work in Noida in 2020 is what percent less than the number of people who work in Noida and Ghaziabad in 2019 together?
(a) 33⅓%
(b) 25%
(c) 35%
(d) 55%
(e) 40%

Q47. What is the difference between the sum of the number of people who work in Gurugram and Janakpuri in 2019 together and the sum of number of people who work in Ghaziabad and Janakpuri in 2020?
(a) 25
(b) 28
(c) 40
(d) 5
(e) None of these

Q48. Which work place shows maximum percentage increase in number of people who work from 2019 to 2020?
(a) Noida
(b) Gurugram
(c) Ghaziabad
(d) Both Noida and Janakpuri
(e) Both Ghaziabad and Noida

Q49. What is the average of the number of people who work in Noida in 2019, Gurugram in 2019, Ghaziabad in 2020 and Janakpuri in 2020?
(a) 225
(b) 445
(c) 355
(d) 335
(e) 555

Q50. What is the ratio of the number of people who work in Gurugram and Janakpuri in 2020 together and the number of people who work in Ghaziabad and Noida in 2019 together respectively?
(a) 2:3
(b) 5:8
(c) 10:11
(d) 11:10
(e) 3:2

Directions (51-64): What will come in the place of question mark in following questions.

Q51. $(? \div 6 \div 5) \times 15 - 240 = 300$
(a) 1080
(b) 1190
(c) 1000
(d) 1240
(e) 1680

Q52. $60\% \text{ of } 240 + \frac{\sqrt{196}}{7} \times 3 = ? + 10$

(a) 220
(b) 130
(c) 120
(d) 140
(e) 110

Q53. $175 \times 24 + 800 - 280 \times 5 = (?)^2$

(a) 50
(b) 65
(c) 60
(d) 55
(e) 45

Q54. $\frac{?}{25} \times \sqrt{16} - 24 \times 4 + \sqrt[3]{125} = (5)^2$

(a) 775
(b) 725
(c) 750
(d) 760
(e) 780

Q55. $\frac{\sqrt[3]{729}}{9} + \sqrt{324} + ? = 25$

(a) 6
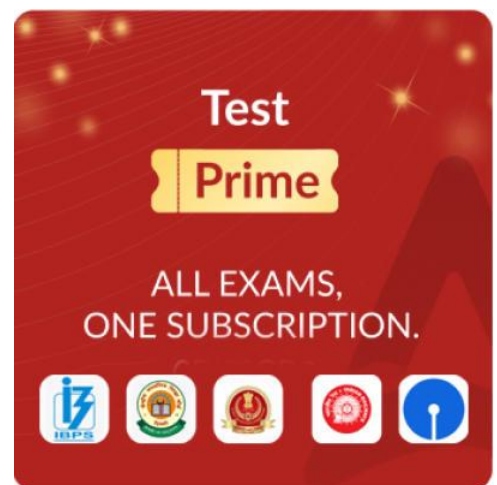(b) 2
(c) 0
(d) 5
(e) 8

Q56. $40.4 \times 5 - 3240 \div 8 + 25^2 - 30 = ?$

(a) 392
(b) 387
(c) 282
(d) 399
(e) 372

Q57. $(19)^2 + 24 + 20\% \text{ of } 120 - 40 \times 3 \div 6 = ?$

(a) 389
(b) 289
(c) 300
(d) 299
(e) 378

Q58. $37 \times 15 + 16400 \div 16 - 160 = ?$
(a) 1420
(b) 1300
(c) 1520
(d) 1220
(e) 1200

Q59. $? + 65 \times 14 = 340 + 55\% \ of \ 2000 + 180$
(a) 730
(b) 710
(c) 770
(d) 700
(e) 760

Q60. $15 \times ? + 30\% \ of \ 480 = 744$
(a) 44
(b) 50
(c) 60
(d) 40
(e) 35

Q61. $80\% \ of \ 2540 + 30\% \ of \ 180 - 2220 = ?$
(a) -134
(b) 130
(c) 124
(d) 154
(e) 120

Q62. $38.5 \times \frac{5}{7} \div 2\frac{1}{5} + 40\% \ of \ 160 = ?$
(a) 76.5
(b) 78.5
(c) 66.5
(d) 74.5
(e) 86.5

Q63. $(? \div 5 \div 7) \times 14 + 112 = 420$
(a) 770
(b) 720
(c) 760
(d) 780
(e) 750

Q64. $5^{(6 \times ? + 3 + 10\% \ of \ 20)} \times 25^3 = 3125$
(a) 4
(b) 6
(c) -8
(d) -1
(e) -5

Directions (65-70): In the following questions, there are two equations in x and y. You have to solve both the equations and give answer.

Q65. I. $2x^2 + 5x + 3 = 0$
II. $3y^2 + 5y + 2 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

Q66.
I. $4x^2 + 13x + 10 = 0$
II. $3y^2 - 2y - 1 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

Q67.
I. $x^2 + 4x + 3 = 0$
II. $y^2 + y - 2 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

Q68.
I. $8x^2 - 6x + 1 = 0$
II. $6y^2 - 7y + 2 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

Q69.
I. $2x^2 + 17x + 36 = 0$
II. $y^2 - 16 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

Q70.
I. $x^2 - 9 = 0$
II. $y^2 - 6y + 9 = 0$
(a) if $x > y$
(b) if $x < y$
(c) if $x \geq y$
(d) if $x \leq y$
(e) if $x = y$ or there is no relation between x and y

Directions (71-80): Read the passage given below and answer the questions that follow. Some words have been highlighted to aid in answering the questions.

Single-use plastics are goods that are made primarily from fossil fuel–based chemicals (petrochemicals) and are meant to be disposed of right after use—often, in mere minutes. Many companies have **touted** their products by packaging them in attractive single use plastic. Single-use plastics are most commonly used for packaging and service ware, such as bottles, wrappers and bags. These single-use plastics **impact** environment adversely. Instead of investing in quality goods that will last, we often _____convenience over durability and consideration of long-term impacts. Our reliance on these plastics means we are accumulating waste at a staggering rate. We produce 300 million tons of plastic each year worldwide. That's nearly equivalent to the weight of the entire human population.

Plastics are actually valuable waste materials as they contain carbon and hydrogen and have a similar energy content to fuels such as diesel. However, rather than focusing solely on the potential to generate fuel from this waste plastic, Scientists have **unveiled** a technology to **recover other higher-value materials**. This is where cold plasma pyrolysis came in. Pyrolysis is a method of thermal decomposition in an environment with limited oxygen at temperatures between 400-650°C. The process can be used to generate electricity and fuels, but when cold plasma is added to the equation it can convert waste plastics into hydrogen, methane and ethylene. Hydrogen and methane can be used as clean fuels as they produce minimal amounts of soot and carbon dioxide, while ethylene is the building block of most plastics. Instead of wasting plastics, cold plasma pyrolysis can recover valuable materials, which can be used to produce other plastic products in turn. While it can take hundreds of years for certain plastics to completely degrade, cold plasma pyrolysis offers a quick alternative.

Q71. What is/are the characteristic(s) of single use plastic?
(a) This kind of plastic is flexible and can be molded in any shape
(b) It is mainly made up of fossil fuel-based chemicals
(c) This kind of plastic isn't meant to be reused or recycled
(d) It takes only a few days to get decomposed
(e) Only (b) and (c)

Q72. As per the passage, what is the effect of our reliance on single use plastic?
(a) Plastic pollution is upsetting earth's food chain by jeopardizing marine lives
(b) Soil has been contaminated the most by plastic waste and its fertility is declining
(c) Plastic equals to the weight of the entire human race is being produced annually.
(d) Many millions of dollars are wasted each year to decompose single-use plastic.
(e) None of these

Q73. Why is plastic considered as a valuable waste material in the passage?
(a) As plastic waste is used to make helium which is used in fuel tanks
(b) As recycling plastic waste is the most convenient and low-cost process among all the other nondegradable things.
(c) Because like any other energy content to fuels, it has carbon and hydrogen.
(d) All of these
(e) None of these

Q74. For which specific purpose cold plasma is used in pyrolysis method?
(a) For tin coating on plastic utensils to avoid corrosion
(b) To produce electricity and fuels from plastic waste
(c) To turn plastic waste into hydrogen, methane and ethylene
(d) For making plastic a more flexible and synthetic material
(e) Both (b) and (c)

Q75. How cold plasma pyrolysis helps in addressing the plastic waste challenges?
(a) Using the cold plasma pyrolysis method, plastic is converted to silicon and rubber.
(b) With the cold plasma pyrolysis method, plastic is recycled into the new plastic product.
(c) Abundant plastic waste is decomposed instantly with cold plasma pyrolysis
(d) It is the technology that shreds plastic waste which is otherwise dumped in landfills
(e) None of these

Q76. Which of the following statements is true with reference to the passage?
(a) Hydrogen and methane produce very little carbon dioxide.
(b) Most companies avoid using plastic packaging for their products.
(c) Petrochemical is a fossil-fuel-based gas.
(d) In pyrolysis, methane is used at temperatures between 400-650°C.
(e) None of these

Q77. Which of the following words will be the most suitable for the blank?
(a) terminate
(b) constrain
(c) renounce
(d) prioritize
(e) None of these

Q78. Which of the following is the synonym of '**touted**' given in the passage?
(a) palliated
(b) endorsed
(c) denied
(d) bothered
(e) None of these

Q79. Which of the following is an antonym of '**impact**' given in the passage?
(a) hamper
(b) foment
(c) evade
(d) prompt
(e) None of these

Q80. Which of the following is the synonym of '**unveil**' given in the passage?
(a) reveal
(b) underpin
(c) periled
(d) solemn
(e) None of these

Directions (81-85): Given below are five sentences which are part of a coherent narrative but not necessarily in their correct order. Rearrange the sentences to form a meaningful narrative and answer the questions that follow.
(A) Mangroves serve a multitude of purposes in their ecosystem, including coastal protection, filtration of water, and disaster risk reduction.
(B) Mangrove is a tropical tree, essentially adapted to thrive near the coastline.
(C) A characteristic feature of mangroves is their tangled prop roots.
(D) These trees thrive in brackish water and loose and wet soil, and cannot survive in colder temperatures.
(E) These roots allow the trees to survive the daily tides and also capture sediments.

Q81. Which of the following is the SECOND sentence after the rearrangement?
(a) A
(b) B
(c) C
(d) D
(e) E

Q82. Which of the following is the FOURTH sentence after the rearrangement?
(a) A
(b) B
(c) C
(d) D
(e) E

Q83. Which of the following is the THIRD sentence after the rearrangement?
(a) A
(b) B
(c) C
(d) D
(e) E

Q84. Which of the following is the FIRST sentence after the rearrangement?
(a) A
(b) B
(c) C
(d) D
(e) E

Q85. Which of the following gives the correct order of sentences after the rearrangement?
(a) DCAEB
(b) BDCEA
(c) AEDCB
(d) CADEB
(e) ABCDE

Directions (86-90): Read the following passage and choose the word that most appropriately fills the blanks corresponding to the question numbers.

Q86. Over the last few years, developed countries have insisted upon two points on the issue of climate finance. First, they _____ (86) that their commitment to reaching the target of $100 billion in climate finance a year for developing countries, first promised in 2009, is close to being met. Second, they _____ (87) the mobilisation of private finance as the critical component of climate finance henceforth.
Developing countries have for a long time insisted that a significant portion of climate finance should come from public funds as private finance will not _____ (88) their needs and priorities especially related to adaptation. Climate finance already remains _____ (89) towards mitigation and flows towards bankable projects with clear revenue streams. Adaptation is _____ (90) to offer commercially profitable opportunities for private financiers.
(a) focus
(b) indicate
(c) reduce
(d) maintain
(e) mediate

Q87. Over the last few years, developed countries have insisted upon two points on the issue of climate finance. First, they _____ (86) that their commitment to reaching the target of $100 billion in climate finance a year for developing countries, first promised in 2009, is close to being met. Second, they _____ (87) the mobilisation of private finance as the critical component of climate finance henceforth.
Developing countries have for a long time insisted that a significant portion of climate finance should come from public funds as private finance will not _____ (88) their needs and priorities especially related to adaptation. Climate finance already remains _____ (89) towards mitigation and flows towards bankable projects with clear revenue streams. Adaptation is _____ (90) to offer commercially profitable opportunities for private financiers.
(a) attach
(b) remain
(c) examine
(d) challenge
(e) view

Q88. Over the last few years, developed countries have insisted upon two points on the issue of climate finance. First, they _____ (86) that their commitment to reaching the target of $100 billion in climate finance a year for developing countries, first promised in 2009, is close to being met. Second, they _____ (87) the mobilisation of private finance as the critical component of climate finance henceforth.

Developing countries have for a long time insisted that a significant portion of climate finance should come from public funds as private finance will not _____ (88) their needs and priorities especially related to adaptation. Climate finance already remains _____ (89) towards mitigation and flows towards bankable projects with clear revenue streams. Adaptation is _____ (90) to offer commercially profitable opportunities for private financiers.
(a) concern
(b) address
(c) delay
(d) suggest
(e) discover

Q89. Over the last few years, developed countries have insisted upon two points on the issue of climate finance. First, they _____ (86) that their commitment to reaching the target of $100 billion in climate finance a year for developing countries, first promised in 2009, is close to being met. Second, they _____ (87) the mobilisation of private finance as the critical component of climate finance henceforth.
Developing countries have for a long time insisted that a significant portion of climate finance should come from public funds as private finance will not _____ (88) their needs and priorities especially related to adaptation. Climate finance already remains _____ (89) towards mitigation and flows towards bankable projects with clear revenue streams. Adaptation is _____ (90) to offer commercially profitable opportunities for private financiers.
(a) bustling
(b) skewed
(c) abundant
(d) defiant
(e) descriptive

Q90. Over the last few years, developed countries have insisted upon two points on the issue of climate finance. First, they _____ (86) that their commitment to reaching the target of $100 billion in climate finance a year for developing countries, first promised in 2009, is close to being met. Second, they _____ (87) the mobilisation of private finance as the critical component of climate finance henceforth.
Developing countries have for a long time insisted that a significant portion of climate finance should come from public funds as private finance will not _____ (88) their needs and priorities especially related to adaptation. Climate finance already remains _____ (89) towards mitigation and flows towards bankable projects with clear revenue streams. Adaptation is _____ (90) to offer commercially profitable opportunities for private financiers.
(a) distinct
(b) quick
(c) unlikely
(d) probable
(e) receptive

Q91. In each question, four sentences are given, in which only one is grammatically correct. Choose the correct sentence as your answer choice. If all the given sentences are incorrect, choose "All are incorrect" as your answer.
(a) She made no reference to her illness but only to her future plans.
(b) I still haven't finished paint the spare room.
(c) She seem almost embarrassed by her own outburst.
(d) Parents can unwilling transmit their own fears into their children.
(e) All are incorrect

Q92. In each question, four sentences are given, in which only one is grammatically correct. Choose the correct sentence as your answer choice. If all the given sentences are incorrect, choose "All are incorrect" as your answer.
(a) The project is no longer commercial viable
(b) Older craters on the Earth have been erase by weathering and by geological activity.
(c) Although the issue was not discussed, it was far at out of her mind.
(d) I advise you to withdraw your allegation before I contact my lawyer.
(e) All are incorrect

Q93. In each question, four sentences are given, in which only one is grammatically correct. Choose the correct sentence as your answer choice. If all the given sentences are incorrect, choose "All are incorrect" as your answer.
(a) The best sides of his character were his brilliant social gifts and his intense devotion to literature
(b) Babies are wonderful gift from God to cherish us.
(c) The carpenters tried to kept the dust level down, but it was impossible to avoid all of it.
(d) After Alex goes to work and Jonathan goes to school, Destiny and I did the chores.
(e) All are incorrect

Q94. In each question, four sentences are given, in which only one is grammatically correct. Choose the correct sentence as your answer choice. If all the given sentences are incorrect, choose "All are incorrect" as your answer.
(a) Megan looked ready to laugh but smiled widely instead of.
(b) She forced herself to breathe deeply and continued towards the distance road.
(c) As the fog cleared, the sight of several tall trees were emerging in the forest
(d) The substitute teacher found it quite difficult to subjugate a class of thirty middle school students.
(e) All are incorrect

Q95. In each question, four sentences are given, in which only one is grammatically correct. Choose the correct sentence as your answer choice. If all the given sentences are incorrect, choose "All are incorrect" as your answer.
(a) The villages are built on artificial mounds of earth, so as to raise it above the flood-level.
(b) Dean could saw nothing behind him, only the slope directly beneath his feet.
(c) The suitcase didn't seem that heavy at the time.
(d) With infinite patience, she explain the complex procedure to us.
(e) All are incorrect

Directions (96-98): In each question, a word is given in bold. Using that highlighted word four sentences are given. Choose the statement that has the correct usage of the given word. If all the sentences have the correct usage, choose 'All are correct' as your answer choice.

Q96. Devise
(a) If you wish good **devise**, consult an old man.
(b) I must **devise** sorrow into strength.
(c) The purpose of this meeting is to **devise** a strategy for our company to pay off its debt.
(d) All things invariably **devise** into two
(e) All are correct

Q97. Erupt
(a) We must **erupt** continuity of fuel supplies.
(b) The **erupt** was subdivided into four living areas.
(c) Some soils are not **erupt** for farming.
(d) An active volcano may **erupt** at any time
(e) All are correct

Q98. Lightening
(a) Against my wish, I began to smile, and he smiled back, the expression **lightening** his face.
(b) Without **lightening** rules civilized life would be impossible.
(c) Economists said the bad news was most pronounced, and most **lightning**, in manufacturing.
(d) Liberalization will change the technical **lightening** of electricity systems.
(e) All are correct

Directions (99-100): In each question four words are given in bold. In these four words, one may or may not be correctly spelled or contextually inaccurate. Choose the incorrect word as your answer choice. If all are correct, choose 'All are correct'.

Q99. An **earlier cigarette** butt **smoldered** in the **great.**
(a) earlier
(b) cigarette
(c) smoldered
(d) great
(e) All are correct

Q100. It's **quite common** to see **couples** who dress **like**.
(a) quite
(b) common
(c) couples
(d) like
(e) All are correct

Solutions

S1. Ans.(c)
Sol. (i) from the given information, S goes in a month which has 31 days. Three persons go for Party in between R and S. T goes in a month before S. There are four possibilities-
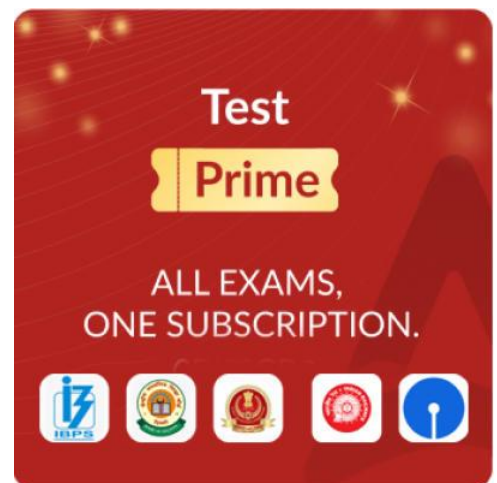
Months	Case-1 Persons	Case-2 Persons	Case-3 Persons	Case-4 Persons
March		R		
April			R	
May	S			
June				R
July		S		
August			S	
September	R			
October				S

(ii) P goes for a party immediately before T but not in a month which has 31 days. T goes in a month before S. From this condition case-1 will be eliminated. W goes before S. Only two persons go for party in between W and Q. From this condition case-3 and case -4 will be eliminated. Only one person goes in between U and V. U does not go after Q. The final arrangement is-

Months	Persons
March	R
April	P
May	T
June	W
July	S
August	U
September	Q
October	V

S2. Ans.(b)
Sol. (i) from the given information, S goes in a month which has 31 days. Three persons go for Party in between R and S. T goes in a month before S. There are four possibilities-

Months	Case-1	Case-2	Case-3	Case-4
	Persons	Persons	Persons	Persons
March		R		
April			R	
May	S			
June				R
July		S		
August			S	
September	R			
October				S

(ii) P goes for a party immediately before T but not in a month which has 31 days. T goes in a month before S. From this condition case-1 will be eliminated. W goes before S. Only two persons go for party in between W and Q. From this condition case-3 and case -4 will be eliminated. Only one person goes in between U and V. U does not go after Q. The final arrangement is-

Months	Persons
March	R
April	P
May	T
June	W
July	S
August	U
September	Q
October	V

S3. Ans.(b)
Sol. (i) from the given information, S goes in a month which has 31 days. Three persons go for Party in between R and S. T goes in a month before S. There are four possibilities-

Months	Case-1 Persons	Case-2 Persons	Case-3 Persons	Case-4 Persons
March		R		
April			R	
May	S			
June				R
July		S		
August			S	
September	R			
October				S

(ii) P goes for a party immediately before T but not in a month which has 31 days. T goes in a month before S. From this condition case-1 will be eliminated. W goes before S. Only two persons go for party in between W and Q. From this condition case-3 and case -4 will be eliminated. Only one person goes in between U and V. U does not go after Q. The final arrangement is-

Months	Persons
March	R
April	P
May	T
June	W
July	S
August	U
September	Q
October	V

S4. Ans.(d)
Sol. (i) from the given information, S goes in a month which has 31 days. Three persons go for Party in between R and S. T goes in a month before S. There are four possibilities-

Months	Case-1 Persons	Case-2 Persons	Case-3 Persons	Case-4 Persons
March		R		
April			R	
May	S			
June				R
July		S		
August			S	
September	R			
October				S

(ii) P goes for a party immediately before T but not in a month which has 31 days. T goes in a month before S. From this condition case-1 will be eliminated. W goes before S. Only two persons go for party in between W and Q. From this condition case-3 and case -4 will be eliminated. Only one person goes in between U and V. U does not go after Q. The final arrangement is-

Months	Persons
March	R
April	P
May	T
June	W
July	S
August	U
September	Q
October	V

S5. Ans.(a)
Sol. (i) from the given information, S goes in a month which has 31 days. Three persons go for Party in between R and S. T goes in a month before S. There are four possibilities-

Months	Case-1	Case-2	Case-3	Case-4
	Persons	Persons	Persons	Persons
March		R		
April			R	
May	S			
June				R
July		S		
August			S	
September	R			
October				S

(ii) P goes for a party immediately before T but not in a month which has 31 days. T goes in a month before S. From this condition case-1 will be eliminated. W goes before S. Only two persons go for party in between W and Q. From this condition case-3 and case -4 will be eliminated. Only one person goes in between U and V. U does not go after Q. The final arrangement is-

Months	Persons
March	R
April	P
May	T
June	W
July	S
August	U
September	Q
October	V

S6. Ans.(c)
Sol.
I. Y < B (true)   II. C ≥ Q(false)

S7. Ans.(b)
Sol.
I. A > Q (false)   II. A ≥ J(true)

S8. Ans.(a)
Sol.
I. H > T(true)   II. H > G(true)

S9. Ans.(c)
Sol.

N I G H T M A R E

S10. Ans.(c)
Sol. S > R > T > P > Q

S11. Ans.(d)
Sol. (i) from the given conditions, only two persons sit between C and D who sits at an extreme end of the row. H sits third to the right of F and B sits second to the left of H. F faces in north direction. B faces same direction as F but H faces its opposite direction. There are three possibilities-
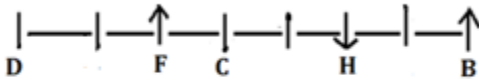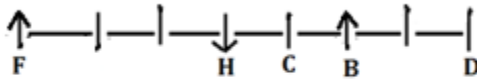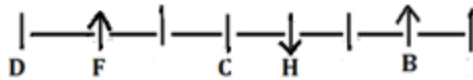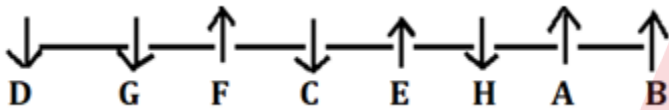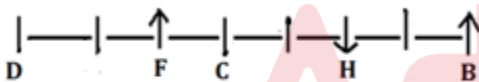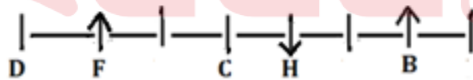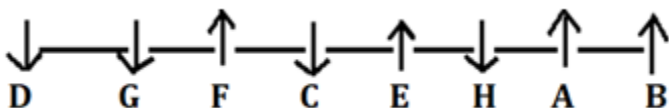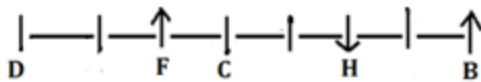

(ii) Both C and E are immediate neighbor. G is not an immediate neighbour of B. From these conditions case-2 and case-3 will be eliminated and in case-1, G is an immediate neighbor of D and A is an immediate neighbor of B. Both D and G face same direction as H and Both E and A faces same direction as B. C and E face opposite direction to each other. The final arrangement is-
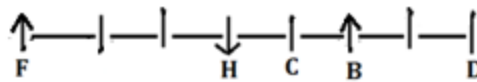

S12. Ans.(b)
Sol. (i) from the given conditions, only two persons sit between C and D who sits at an extreme end of the row. H sits third to the right of F and B sits second to the left of H. F faces in north direction. B faces same direction as F but H faces its opposite direction. There are three possibilities-
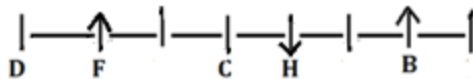

(ii) Both C and E are immediate neighbor. G is not an immediate neighbour of B. From these conditions case-2 and case-3 will be eliminated and in case-1, G is an immediate neighbor of D and A is an immediate neighbor of B. Both D and G face same direction as H and Both E and A faces same direction as B. C and E face opposite direction to each other. The final arrangement is-

S13. Ans.(e)
Sol. (i) from the given conditions, only two persons sit between C and D who sits at an extreme end of the row. H sits third to the right of F and B sits second to the left of H. F faces in north direction. B faces same direction as F but H faces its opposite direction. There are three possibilities-
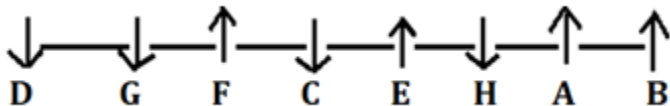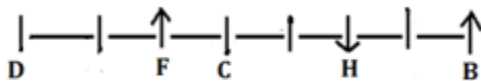
Case-1

Case-2

Case-3

(ii) Both C and E are immediate neighbor. G is not an immediate neighbour of B. From these conditions case-2 and case-3 will be eliminated and in case-1, G is an immediate neighbor of D and A is an immediate neighbor of B. Both D and G face same direction as H and Both E and A faces same direction as B. C and E face opposite direction to each other. The final arrangement is-
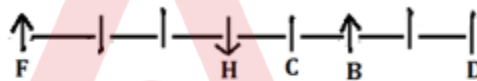

S14. Ans.(c)
Sol. (i) from the given conditions, only two persons sit between C and D who sits at an extreme end of the row. H sits third to the right of F and B sits second to the left of H. F faces in north direction. B faces same direction as F but H faces its opposite direction. There are three possibilities-
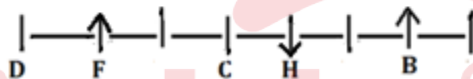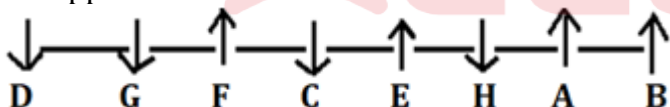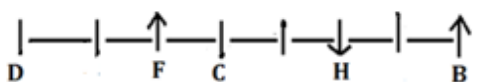
Case-1

Case-2

Case-3

(ii) Both C and E are immediate neighbor. G is not an immediate neighbour of B. From these conditions case-2 and case-3 will be eliminated and in case-1, G is an immediate neighbor of D and A is an immediate neighbor of B. Both D and G face same direction as H and Both E and A faces same direction as B. C and E face opposite direction to each other. The final arrangement is-

S15. Ans.(e)
Sol. (i) from the given conditions, only two persons sit between C and D who sits at an extreme end of the row. H sits third to the right of F and B sits second to the left of H. F faces in north direction. B faces same direction as F but H faces its opposite direction. There are three possibilities-

Case-1

Case-2

Case-3

(ii) Both C and E are immediate neighbor. G is not an immediate neighbour of B. From these conditions case-2 and case-3 will be eliminated and in case-1, G is an immediate neighbor of D and A is an immediate neighbor of B. Both D and G face same direction as H and Both E and A faces same direction as B. C and E face opposite direction to each other. The final arrangement is-
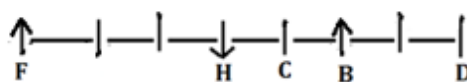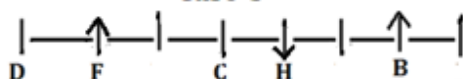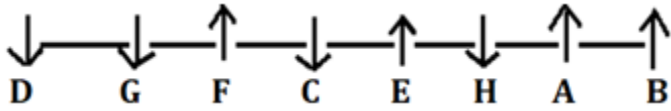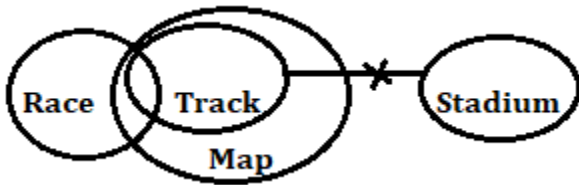

Directions (16-18):

S16. Ans.(c)
Sol.

S17. Ans.(e)
Sol.

S18. Ans.(a)
Sol.

S19. Ans.(e)
Sol. (i) Form the given information; two boxes are placed between Box K and Box N. Box Q is placed immediately below Box N. There are two possibilities. N is either placed above K or placed below K.

Case-1	Case-2
Box	Box
K	N
	Q
N	K
Q	

(ii) Box M is placed above the box N and below the box O. Box M is placed neither just below nor just above the box O and N. Box J and Box O is not placed above Box P. From these conditions case-2 will be eliminated because only eight boxes are given. In case-1 these is only possibility box M is placed immediate below box K. One box is placed between Box P and Box L. Box L is placed below box O. The final arrangement is-

Box
P
O
L
K
M
J
N
Q

S20. Ans.(d)
Sol. (i) Form the given information; two boxes are placed between Box K and Box N. Box Q is placed immediately below Box N. There are two possibilities. N is either placed above K or placed below K.

Case-1	Case-2
Box	**Box**
K	N
	Q
N	K
Q	

(ii) Box M is placed above the box N and below the box O. Box M is placed neither just below nor just above the box O and N. Box J and Box O is not placed above Box P. From these conditions case-2 will be eliminated because only eight boxes are given. In case-1 these is only possibility box M is placed immediate below box K. One box is placed between Box P and Box L. Box L is placed below box O. The final arrangement is-

Box
P
O
L
K
M
J
N
Q

S21. Ans.(d)
Sol. (i) Form the given information; two boxes are placed between Box K and Box N. Box Q is placed immediately below Box N. There are two possibilities. N is either placed above K or placed below K.

Case-1	Case-2
Box	**Box**
K	N
	Q
N	K
Q	

(ii) Box M is placed above the box N and below the box O. Box M is placed neither just below nor just above the box O and N. Box J and Box O is not placed above Box P. From these conditions case-2 will be eliminated because only eight boxes are given. In case-1 these is only possibility box M is placed immediate below box K. One box is placed between Box P and Box L. Box L is placed below box O. The final arrangement is-

Box
P
O
L
K
M
J
N
Q

S22. Ans.(e)
Sol. (i) Form the given information; two boxes are placed between Box K and Box N. Box Q is placed immediately below Box N. There are two possibilities. N is either placed above K or placed below K.

Case-1	Case-2
Box	Box
K	N
	Q
N	K
Q	

(ii) Box M is placed above the box N and below the box O. Box M is placed neither just below nor just above the box O and N. Box J and Box O is not placed above Box P. From these conditions case-2 will be eliminated because only eight boxes are given. In case-1 these is only possibility box M is placed immediate below box K. One box is placed between Box P and Box L. Box L is placed below box O. The final arrangement is-

Box
P
O
L
K
M
J
N
Q

S23. Ans.(d)
Sol. (i) Form the given information; two boxes are placed between Box K and Box N. Box Q is placed immediately below Box N. There are two possibilities. N is either placed above K or placed below K.

Case-1	Case-2
Box	Box
K	N
	Q
N	K
Q	

(ii) Box M is placed above the box N and below the box O. Box M is placed neither just below nor just above the box O and N. Box J and Box O is not placed above Box P. From these conditions case-2 will be eliminated because only eight boxes are given. In case-1 these is only possibility box M is placed immediate below box K. One box is placed between Box P and Box L. Box L is placed below box O. The final arrangement is-
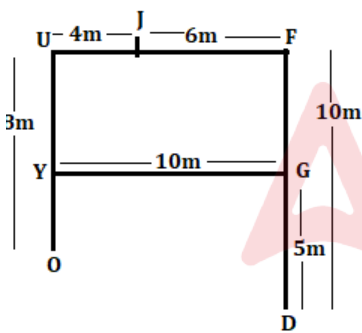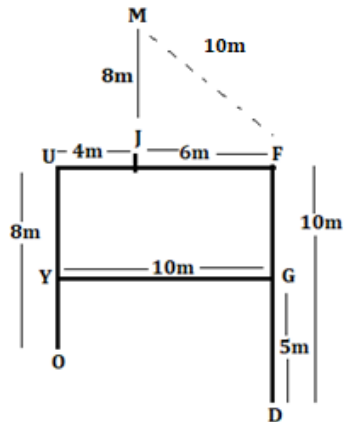
Box
P
O
L
K
M
J
N
Q

S24. Ans.(c)
Sol.
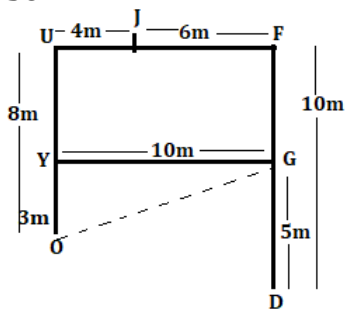
S25. Ans.(e)
Sol.

S26. Ans.(b)
Sol.

S27. Ans.(c)
Sol. Two- J#2, P%1

S28. Ans.(b)

S29. Ans.(a)

S30. Ans.(d)
Sol. RQD, QDH, DHL

S31. Ans.(a)

S32. Ans.(b)
Sol. (i) A lives on an even-numbered floor and in an even-numbered flat. One floor gap between A and L and both of them live in same flat. B lives on an even prime numbered floor. There is two floors gap between B and H. There are two possibilities.

Flat Floor	Case-1		Case-2	
	Flat-1	Flat-2	Flat-1	Flat-2
5	H/	H/	H/	H/
4		A		L
3				
2	B	L	B	A
1				

(ii) E lives immediately below H but both are living in different flat. G and D live on the same floor but below A. G does not live in the same flat as A. C and K live in the same flat but both live above L's floor. C and F doesn't live on same floor. From these conditions, case-2 will be eliminated. The final arrangement is-

Flat Floor	Flat-1	Flat-2
5	C	H
4	E	A
3	K	F
2	B	L
1	G	D

S33. Ans.(d)
Sol. (i) A lives on an even-numbered floor and in an even-numbered flat. One floor gap between A and L and both of them live in same flat. B lives on an even prime numbered floor. There is two floors gap between B and H. There are two possibilities.

Flat Floor	Case-1		Case-2	
	Flat-1	Flat-2	Flat-1	Flat-2
5	H/	H/	H/	H/
4		A		L
3				
2	B	L	B	A
1				

(ii) E lives immediately below H but both are living in different flat. G and D live on the same floor but below A. G does not live in the same flat as A. C and K live in the same flat but both live above L's floor. C and F doesn't live on same floor. From these conditions, case-2 will be eliminated. The final arrangement is-

Flat / Floor	Flat-1	Flat-2
5	C	H
4	E	A
3	K	F
2	B	L
1	G	D

S34. Ans.(d)

Sol. (i) A lives on an even-numbered floor and in an even-numbered flat. One floor gap between A and L and both of them live in same flat. B lives on an even prime numbered floor. There is two floors gap between B and H. There are two possibilities.

Flat / Floor	Case-1 Flat-1	Case-1 Flat-2	Case-2 Flat-1	Case-2 Flat-2
5	H/	H/	H/	H/
4		A		L
3				
2	B	L	B	A
1				

(ii) E lives immediately below H but both are living in different flat. G and D live on the same floor but below A. G does not live in the same flat as A. C and K live in the same flat but both live above L's floor. C and F doesn't live on same floor. From these conditions, case-2 will be eliminated. The final arrangement is-

Flat / Floor	Flat-1	Flat-2
5	C	H
4	E	A
3	K	F
2	B	L
1	G	D

S35. Ans.(e)

Sol. (i) A lives on an even-numbered floor and in an even-numbered flat. One floor gap between A and L and both of them live in same flat. B lives on an even prime numbered floor. There is two floors gap between B and H. There are two possibilities.

Flat / Floor	Case-1 Flat-1	Case-1 Flat-2	Case-2 Flat-1	Case-2 Flat-2
5	H/	H/	H/	H/
4		A		L
3				
2	B	L	B	A
1				

(ii) E lives immediately below H but both are living in different flat. G and D live on the same floor but below A. G does not live in the same flat as A. C and K live in the same flat but both live above L's floor. C and F doesn't live on same floor. From these conditions, case-2 will be eliminated. The final arrangement is-

Flat Floor	Flat-1	Flat-2
5	C	H
4	E	A
3	K	F
2	B	L
1	G	D

S36. Ans.(a)
Sol.

Speed of car = $\frac{320}{10}$ =32km/hr

As ratio of the speed of a train and bus is 8:5

So, let the speed of train be 8x and speed of bus be 5x.

As speed of car is half of speed of train

So, speed of train = 2× speed of car = 2×32km/hr = 64km/hr

So, speed of bus = $\frac{64}{8x} \times 5x = 40$km/hr

S37. Ans.(c)
Sol.

Let the Raman's father age be 5x and Raman age be 2x

Now, Sum of ages of Raman and his father is 63years.

So, 5x+2x = 63

7x=63

X = 63/7 = 9

So, Raman's present age = 2x = 18years

After 10 years, Raman's age =18 + 10 = 28years.

S38. Ans.(b)
Sol.

Cost price — 17,500 + 2,500 = Rs. 20,000

S.P. = Rs. 22,500

Profit = 22,500 – 20,000 ⇒ Rs. 2,500

Profit % = $\left(\frac{2,500}{20,000} \times 100\right)$ % = 12.5%

S39. Ans.(a)
Sol.

Let the maximum marks be 100x.

So, Passing marks = 45% of 100x = 45x

And, ATQ

45x = 700 + 10% of 100x

45x = 700 + 10x

So, 35x = 700

And, x = 700/35 = 20

So, maximum marks = 100x = 2000

S40. Ans.(c)
Sol.
Let length and breadth of rectangle be 9x m and 4x m respectively.
Area of rectangular field = 9x × 4x
= $36x^2$ m²
ATQ,
$36x^2 = 144$
$x^2 = 4$
x = 2 m
length of wire required for fencing = 2(ℓ +b)
= $2(9x + 4x)$
= $2(13x)$
= 2 × 26 m
Cost of fencing = 2 × 26 × 4
= Rs 208

S41. Ans.(c)
Sol.
Let the amount lent be Rs 'x'.
Then ATQ
$5\left(\frac{x \times y \times 2}{100}\right) = \left(\frac{x \times 2y \times (2+a)}{100}\right)$
So, a=3 years.

S42. Ans.(d)
Sol.
Let the average expenditure of 20 boys be x
ATQ,
20x = 16 × 64 + 4 (x + 4)
x = 65
Required expenditure = 65 × 20 = Rs 1300

S43. Ans.(d)
Sol.
let cost price of the article be Rs x
ATQ
$1.2x - 0.8x = 60$
$x = \frac{60}{0.4} = 150$

S44. Ans.(d)
Sol. 4 women complete a work in 5days
So, 1 women complete work in 5×4 =20days
12 children complete a work in 10days
So, 1 child complete work in 12×10 = 120days
Let, Total work = 120 (L.C.M of 20 and 120)

So, efficiency of women = 120/20 = 6units/day
And efficiency of child = 120/120 = 1unit/day
Work done by 5 women and 10 children in 1 day = 5×6 +10×1=30+10 = 40units
So, time taken by 5 women and 10 children to complete the work = 120/40 = 3days.

S45. Ans.(a)
Sol.
Let the speed of current be x km/hr.
Then, speed in upstream = 3x km/hr
Speed of boat in still water = 3x + x = 4x km/hr
ATQ,
$\Rightarrow$ 5x = 30
$\Rightarrow$ x = 6 km/hr
Required time = $\frac{63}{3 \times 6}$ = 3.5 hr.

S46. Ans.(b)
Sol.
The number of people who work in Noida in 2020 = 450
The number of people who work in Noida and Ghaziabad in 2019 together = 320 + 280
= 600
Required % = $\frac{600-450}{600} \times 100 = 25\%$

S47. Ans.(e)
Sol.
The sum of the number of people who work in Gurugram and Janakpuri in 2019 together
= (360+300) = 660
The sum of number of people who work in Ghaziabad and Janakpuri in 2020 = (420 + 240)
= 660
Required difference = 660 − 660 = 0

S48. Ans.(c)
Sol.
The difference between the number of people who work in Noida in 2019 and 2020
= 130 (450 − 320)
% increase = $\frac{130}{320} \times 100 = 40.625\%$
The difference between the number of people who work in Gurugram in 2019 and 2020
= 60 (420−360)
% increase = $\frac{60}{360} \times 100 = 16.67\%$
The difference between the number of people who work in Janakpuri in 2019 and 2020
= 60 (300 −240)
% decrease = $\frac{60}{300} \times 100 = 20\%$
The difference between the number of people who work in Ghaziabad in 2019 and 2020
= 140 (420− 280)
% increase= $\frac{140}{280} \times 100 = 50\%$
Ghaziabad shows the maximum % increased in the number of people.

S49. Ans.(d)
Sol.
Required average $= \frac{320 + 360 + 420 + 240}{4}$
$= \frac{1340}{4} = 335$

S50. Ans.(d)
Sol. The number of people who work in Gurugram and Janakpuri in 2020 together
$= 420 + 240 = 660$
The number of people who work in Ghaziabad and Noida in 2019 together
$= 280 + 320 = 600$
So, required ratio $= 660 : 600$
$= 11 : 10$

S51. Ans.(a)
Sol.
$(? \div 6 \div 5) \times 15 - 240 = 300$
$(? \times \frac{1}{6} \times \frac{1}{5}) \times 15 - 240 = 300$
$(? \times \frac{1}{30}) \times 15 = 300 + 240 = 540$
$(\frac{?}{2}) = 540 \rightarrow ? = 540 \times 2 = 1080$

S52. Ans.(d)
Sol.
60% of $240 + \frac{\sqrt{196}}{7} \times 3 = ? + 10$
$\frac{60}{100} \times 240 + \frac{14}{7} \times 3 = ? + 10$
$6 \times 24 + 2 \times 3 = ? + 10$
$144 + 6 = ? + 10$
$? = 150 - 10 = 140$

S53. Ans.(c)
Sol.
$175 \times 24 + 800 - 1400 = (?)^2$
$4200 + 800 - 1400 = (?)^2$
$3600 = (?)^2$
$? = 60$

S54. Ans.(b)
Sol.
$\frac{(?)}{25} \times 4 - 96 + 5 = 25$
$? = \frac{116 \times 25}{4}$
$? = 29 \times 25$
$? = 725$

S55. Ans.(a)
Sol.

$$\frac{\sqrt[3]{729}}{9} + \sqrt{324} + ? = 25$$

$$\frac{9}{9} + 18 + ? = 25$$

$$1 + 18 + ? = 25$$

$$? = 25 - 19 = 6$$

S56. Ans.(a)
Sol.

$40.4 \times 5 - 3240 \div 8 + 25^2 - 30 = ?$

$202 - 405 + 625 - 30 = ?$

$? = 827 - 435 = 392$

S57. Ans.(a)
Sol.

$(19)^2 + 24 + 20\%$ of $120 - 40 \times 3 \div 6 = ?$

$361 + 24 + \frac{20}{100} \times 120 - 40 \times 3 \times \frac{1}{6} = ?$

$? = 361 + 24 + 24 - 20 = 409 - 20 = 389$

S58. Ans.(a)
Sol.

$37 \times 15 + 16400 \div 16 - 160 = ?$

$? = 555 + 1025 - 160 = 1580 - 160 = 1420$

S59. Ans.(b)
Sol.

$? + 65 \times 14 = 340 + 55\%$ of $2000 + 180$

$? + 910 = 340 + \frac{55}{100} \times 2000 + 180$

$? + 910 = 340 + 55 \times 20 + 180$

$? = 340 + 1100 + 180 - 910 = 1620 - 910 = 710$

S60. Ans.(d)
Sol.

$15 \times ? + 30\%$ of $480 = 744$

$15 \times ? + \frac{30}{100} \times 480 = 744$

$15 \times ? + 3 \times 48 = 744$

$15 \times ? + 144 = 744$

$15 \times ? = 744 - 144 = 600$

$? = 600/15 = 40$

S61. Ans.(a)
Sol.
80% of 2540 + 30% of 180 − 2220 =?
$\frac{80}{100} \times 2540 + \frac{30}{100} \times 180 - 2220 = ?$
8 × 254 + 3 × 18 − 2220 =?
? = 2032 + 54 − 2220 = 2086 − 2220 = −134

S62. Ans.(a)
Sol.
$38.5 \times \frac{5}{7} \div 2\frac{1}{5} + 40\%$ of 160 = ?
$38.5 \times \frac{5}{7} \div \frac{11}{5} + 40\%$ of 160 = ?
$5.5 \times 5 \times \frac{5}{11} + \frac{40}{100} \times 160 = ?$
$0.5 \times 5 \times 5 + 4 \times 16 = ?$
? = 12.5 + 64 = 76.5

S63. Ans.(a)
Sol.
(? ÷ 5 ÷ 7) × 14 + 112 = 420
$\Longrightarrow \frac{?}{5} \times \frac{1}{7} \times 14 + 112 = 420$
$\Longrightarrow \frac{?}{35} \times 14 + 112 = 420$
$\Longrightarrow \frac{?}{35} \times 14 = 420 - 112 = 308$
$\Longrightarrow ? = 308 \times \frac{35}{14} = 770$

S64. Ans.(d)
Sol.
$5^{(6\times? + 3 + 10\% \, of \, 20)} + 25^3 = 3125$
$\Longrightarrow 5^{(6\times? + 3 + 10\% \, of \, 20)} \times (5^2)^3 = 5^5$
$\Longrightarrow 5^{(6\times? + 3 + 2)} \times 5^6 = 5^5$
$\Longrightarrow 6 \times ? + 3 + 2 + 6 = 5$
$\Longrightarrow 6 \times ? + 11 = 5$
$\Longrightarrow 6 \times ? = 5 - 11 = -6$
$\Longrightarrow ? = -\frac{6}{6} = -1$

S65. Ans.(d)
Sol.
I. $2x^2 + 5x + 3 = 0$
$2x^2 + 3x + 2x + 3 = 0$
x(2x+3)+1(2x+3) = 0
(x +1) (2x+3) = 0
$x = -\frac{3}{2}, -1$

II. $3y^2 + 5y + 2 = 0$

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

   $3y(y + 1) + 2(y + 1) = 0$

$(3y + 2)(y + 1) = 0$

$y = -\frac{2}{3}, -1$

$x \leq y$

S66. Ans.(b)
Sol.

I. $4x^2 + 13x + 10 = 0$

$4x^2 + 8x + 5x + 10 = 0$

$4x(x+2) + 5(x+2) = 0$

$(4x+5)(x+2) = 0$

$x = -5/4$ or -2

II. $3y^2 - 2y - 1 = 0$

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

   $3y(y-1) + 1(y-1) = 0$

  $(3y+1)(y-1) = 0$

 $y = -1/3, 1$

$x < y$

S67. Ans.(e)
Sol.

$x^2 + 4x + 3 = 0$

$x^2 + 3x + x + 3 = 0$

$x(x+3) + 1(x+3) = 0$

$(x+3)(x+1) = 0$

$x = -3, -1$

II. $y^2 + y - 2 = 0$

  $y^2 + 2y - y - 2 = 0$

 $y(y+2) - 1(y+2) = 0$

$(y-1)(y+2) = 0$

$y = 1, -2$

if $x = y$ or there is no relation between x and y

S68. Ans.(d)
Sol.

I. $8x^2 - 6x + 1 = 0$

$\Rightarrow 8x^2 - 4x - 2x + 1 = 0$

$\Rightarrow 4x(2x - 1) - 1(2x - 1) = 0$

$\Rightarrow (4x - 1)(2x - 1) = 0$

$\Rightarrow x = 1/4, 1/2$

II. $6y^2 - 7y + 2 = 0$

$\Rightarrow 6y^2 - 4y - 3y + 2 = 0$

$\Rightarrow 2y(3y-2) - 1(3y-2) = 0$

$\Rightarrow (2y-1)(3y-2) = 0 \Rightarrow y = 1/2, 2/3$

if $x \leq y$

S69. Ans.(d)
Sol.
I. $2x^2 + 17x + 36 = 0$
$2x^2 + 9x + 8x + 36 = 0$
$x(2x + 9) + 4(2x + 9) = 0$
$x = -4$ or $-\frac{9}{2}$
II. $y^2 - 16 = 0$
$y^2 = 16$
$y = 4, -4$
$x \leq y$

S70. Ans.(d)
Sol.
I. $x^2 - 9 = 0 \Longrightarrow x^2 = 9 \Longrightarrow x = 3, -3$
II. $y^2 - 6y + 9 = 0 \Longrightarrow y^2 - 3y - 3y + 9 = 0$
$\Longrightarrow y(y - 3) - 3(y - 3) = 0$
$\Longrightarrow (y - 3)(y - 3) = 0 \Longrightarrow y = 3, 3$

S71. Ans.(e)
Sol. Statement (b) and statement (c) are correct with reference to the first paragraph which mentions, "Single-use plastics are goods that are made primarily from fossil fuel–based chemicals (petrochemicals) and are meant to be disposed of right after use—often, in mere minutes."

S72. Ans.(c)
Sol. Refer to the last lines of first paragraph which mention, "Our reliance on these plastics means we are accumulating waste at a staggering rate. We produce 300 million tons of plastic each year worldwide. That's nearly equivalent to the weight of the entire human population."

S73. Ans.(c)
Sol. Refer to the second paragraph which mentions, "**Plastics are actually valuable waste materials** as they contain carbon and hydrogen and have a similar energy content to fuels such as diesel."

S74. Ans.(c)
Sol. The correct choice can be inferred from the second paragraph which mentions, "Pyrolysis is a method of thermal decomposition in an environment with limited oxygen at temperatures between 400-650°C. The process can be used to generate electricity and fuels, but when cold plasma is added to the equation it can convert waste plastics into hydrogen, methane and ethylene."

S75. Ans.(b)
Sol. The correct choice can be inferred from the second paragraph which mentions, "Instead of wasting plastics, cold plasma pyrolysis can recover valuable materials, which can be used to produce other plastic products in turn. While it can take hundreds of years for certain plastics to completely degrade, cold plasma pyrolysis offers a quick alternative."

S76. Ans.(a)
Sol. Only option (a) is correct.

For option (a), refer to the second paragraph, which mentions, "Hydrogen and methane can be used as clean fuels as they produce minimal amounts of soot and carbon dioxide, while ethylene is the building block of most plastics."

For option (b), refer to the first paragraph, which mentions, "Many companies have **touted** their products by packaging them in attractive single use plastic."

For option (c), refer to the first paragraph, which mentions, "Single-use plastics are goods that are made primarily from fossil fuel–based chemicals (petrochemicals) and are meant to be disposed of right after use—often, in mere minutes."

For option (d), refer to the second paragraph, which mentions, "Pyrolysis is a method of thermal decomposition in an environment with limited oxygen at temperatures between 400-650°C."

S77. Ans.(d)
Sol. The correct word for the blank is 'prioritize'.

terminate means bring to an end.

constrain means compel or force (someone) to follow a particular course of action.

renounce means formally declare one's abandonment of (a claim, right, or possession).

prioritize means designate or treat (something) as being very or most important.

S78. Ans.(b)
Sol. 'Endorsed' is a synonym of 'touted'.

touted means attempt to sell (something), typically by a direct or persistent approach.

palliated means make (a disease or its symptoms) less severe without removing the cause.

endorsed means recommend (a product) in an advertisement.

denied means state that one refuses to admit the truth or existence of.

bothered means concerned about something.

S79. Ans.(c)
Sol. 'Evade' is an antonym of 'impact'

hamper means hinder or impede the movement or progress of.

foment means instigate or stir up (an undesirable or violent sentiment or course of action).

evade means escape or avoid (someone or something), especially by guile or trickery.

prompt means cause or bring about (an action or feeling).

S80. Ans.(a)
Sol. 'Reveal' is a synonym of 'unveil'.

reveal means make (previously unknown or secret information) known to others.

underpin means support, justify, or form the basis for.

periled means expose to danger; threaten.

solemn means formal and dignified.

S81. Ans.(d)
Sol. The order of the sentences which forms the most meaningful narrative is BDCEA.
The first sentence in the final order would be sentence (B) as it gives the best introduction for the narrative, establishing the foundation by introducing the subject of discussion, mangrove trees. Looking further into the passage allows the reader to establish what the text is about – the basic characteristics of the mangrove trees and how these characteristics in their natural habitat help avoid many disasters. Thus, next is the order is sentence (D) which gives the most basic characteristics of the tree, mentioning its habitat further, continuing from sentence (B). Sentences (C) and (E) describe even more characteristics of the tree, specifically the roots. The first of these sentences should be sentence (C) as (E) seems to be a continuation of it. The final and the only remaining sentence, (A), gives the most appropriate summary of the text as it states the benefits of these characteristics of the mangrove tree to the environment. Thus, the correct order of the sentences after rearrangement is BDCEA.

S82. Ans.(e)
Sol. The order of the sentences which forms the most meaningful narrative is BDCEA.
The first sentence in the final order would be sentence (B) as it gives the best introduction for the narrative, establishing the foundation by introducing the subject of discussion, mangrove trees. Looking further into the passage allows the reader to establish what the text is about – the basic characteristics of the mangrove trees and how these characteristics in their natural habitat help avoid many disasters. Thus, next is the order is sentence (D) which gives the most basic characteristics of the tree, mentioning its habitat further, continuing from sentence (B). Sentences (C) and (E) describe even more characteristics of the tree, specifically the roots. The first of these sentences should be sentence (C) as (E) seems to be a continuation of it. The final and the only remaining sentence, (A), gives the most appropriate summary of the text as it states the benefits of these characteristics of the mangrove tree to the environment. Thus, the correct order of the sentences after rearrangement is BDCEA.

S83. Ans.(c)
Sol. The order of the sentences which forms the most meaningful narrative is BDCEA.
The first sentence in the final order would be sentence (B) as it gives the best introduction for the narrative, establishing the foundation by introducing the subject of discussion, mangrove trees. Looking further into the passage allows the reader to establish what the text is about – the basic characteristics of the mangrove trees and how these characteristics in their natural habitat help avoid many disasters. Thus, next is the order is sentence (D) which gives the most basic characteristics of the tree, mentioning its habitat further, continuing from sentence (B). Sentences (C) and (E) describe even more characteristics of the tree, specifically the roots. The first of these sentences should be sentence (C) as (E) seems to be a continuation of it. The final and the only remaining sentence, (A), gives the most appropriate summary of the text as it states the benefits of these characteristics of the mangrove tree to the environment. Thus, the correct order of the sentences after rearrangement is BDCEA.

S84. Ans.(b)
Sol. The order of the sentences which forms the most meaningful narrative is BDCEA.
The first sentence in the final order would be sentence (B) as it gives the best introduction for the narrative, establishing the foundation by introducing the subject of discussion, mangrove trees. Looking further into the passage allows the reader to establish what the text is about – the basic characteristics of the mangrove trees and how these characteristics in their natural habitat help avoid many disasters. Thus, next is the order is sentence (D) which gives the most basic characteristics of the tree, mentioning its habitat further, continuing from sentence (B). Sentences (C) and (E) describe even more characteristics of the tree, specifically the roots. The first of these sentences should be sentence (C) as (E) seems to be a continuation of it. The final and the only remaining sentence, (A), gives the most appropriate summary of the text as it states the benefits of these characteristics of the mangrove tree to the environment. Thus, the correct order of the sentences after rearrangement is BDCEA.

S85. Ans.(b)
Sol. The order of the sentences which forms the most meaningful narrative is BDCEA.
The first sentence in the final order would be sentence (B) as it gives the best introduction for the narrative, establishing the foundation by introducing the subject of discussion, mangrove trees. Looking further into the passage allows the reader to establish what the text is about – the basic characteristics of the mangrove trees and how these characteristics in their natural habitat help avoid many disasters. Thus, next is the order is sentence (D) which gives the most basic characteristics of the tree, mentioning its habitat further, continuing from sentence (B). Sentences (C) and (E) describe even more characteristics of the tree, specifically the roots. The first of these sentences should be sentence (C) as (E) seems to be a continuation of it. The final and the only remaining sentence, (A), gives the most appropriate summary of the text as it states the benefits of these characteristics of the mangrove tree to the environment. Thus, the correct order of the sentences after rearrangement is BDCEA.

S86. Ans.(d)
Sol. focus – to cause to be concentrated
indicate – to point out or point to
reduce – to draw together or cause to converge
maintain – to affirm in or as if in argument
mediate – occupying a middle position
The context of the sentence in question hints at the issues developing countries state they face with climate finances, as can be understood from the starting lines of the passage and the entirety of the passage giving a voice to these issues. To correlate the issue to developing countries as an argument or opinion, only the verb "maintain" can be used, as is apparent from the given definitions.

S87. Ans.(e)
Sol. attach – to bring (oneself) into an association
remain – to be a part not destroyed, taken, or used up
examine – to inspect closely
challenge – to dispute especially as being unjust, invalid, or outmoded
view – regard in a particular light or with a particular attitude
The context of the sentence in question hints at the issues developing countries state they face with climate finances, as can be understood from the starting lines of the passage and the entirety of the passage giving a voice to these issues. To correlate the issue to developing countries as an argument or opinion, only the verb "view" can be used, as is apparent from the given definitions.

S88. Ans.(b)
Sol. concern – to be about
address – to deal with
delay – the act of postponing, hindering, or causing something to occur more slowly than normal
suggest – to mention or imply as a possibility
discover – to make known or visible
The only word that fills the blank appropriately is "address" as it connects the effect of aid from climate finances to the needs of developing countries.

S89. Ans.(b)
Sol. bustling – full of lively activity; busily astir
skewed – distorted from a true value or symmetrical form
abundant – existing or occurring in large amounts

defiant – full of or showing a disposition to challenge, resist, or fight

descriptive – presenting observations about the characteristics of someone or something

The only two adverbs that are appropriate for describing climate finance are thus "skewed" and "abundant", but the context requires a negative adverb as it states the problems with climate finances and the "already" existing flaws in it, and thus, "skewed" is the correct word.

S90. Ans.(c)
Sol. distinct – presenting a clear unmistakable impression

quick – fast in development or occurrence

unlikely – not likely

probable – likely to be or become true or real

receptive – able or inclined to receive

The entirety of the second paragraph states the improbability of privately financed entities being successful especially in regard to adaptation. The last statement, thus, can only mention the limitation of private climate finances, acting as an extension of the previous statements and a conclusion to the passage by nature anyway. Thus, the only word that can fill the blank appropriately is the word "unlikely".

S91. Ans.(a)
Sol. Only option (a) is correct. In option (b), 'painting' should replace 'paint' as we need an object. In grammar, we use the word 'object' to talk about the thing or person that the verb is done to, or who receives the verb. It can be a noun, a noun phrase, a pronoun. Thus the required form should be noun(painting), rather than verb(paint). In (c), 'seems' should replace 'seem' as after third person singular form we use -s with the main verb (ex- sleeps, eats). In (d), 'unwilling' must be change to 'unwillingly' as the required form is adverb here. It is modifying verb, thus adverb is needed.

S92. Ans.(d)
Sol. The correct option is (d). In (a), an adverb(commercially) is needed as it is modifying a adjective(viable). In (b), 'erased' should replace 'erase'. The sentence is passive voice of present perfect tense. When we have to talk about an object or give importance to an object in our conversation then those sentences which contain 'has/have +been+V3' are used. In (c), 'at' must be replaced with 'from' 'far from' phrase's meaning is tending to the opposite of what is expected.

S93. Ans.(a)
Sol. Only statement (a) is correct. In (b), gifts should be used instead of gift as 'babies' is plural here. In (c), 'kept' should be replaced with 'keep', as after 'to' base form of the verb is used. In (d), 'did' is wrong usage and must be replaced with 'do' because the sentence is in simple present tense.

S94. Ans.(d)
Sol. The correct option is (d). In (a), the phrase "instead of" is not necessary and is incorrect in this context. The correct construction is to use "instead" alone to indicate an alternative action or choice. In (b), 'distant' is the correct usage instead of 'distance' as the required form is adjective(distant), not noun(distance). In (c), 'was' should be used instead of 'were' because of the singular word(sight).

S95. Ans.(c)
Sol. The correct option is (c). In (a), 'it' should be replaced with 'them', as it is referring 'villages' which is plural. In (b), 'saw' must be changed to 'see' as after model verb (could/would/should), verb's first form is used. In (d), 'explain' must be changed to 'explains' as 'she' is singular here, thus need singular verb(explains).

S96. Ans.(c)
Sol. 'Devise' means plan or invent (a complex procedure, system, or mechanism) by careful thought. Thus, only option (c) is correct.

S97. Ans.(d)
Sol. 'Erupt means break out suddenly and dramatically. Thus, only option (d) is correct.

S98. Ans.(a)
Sol. 'lightening' means make or become more cheerful or less serious. Thus, only option (a) is correct.

S99. Ans.(d)
Sol. Here the usage of 'great' is wrong and it should be replaced with 'grate'. 'Grate' means the recess of a fireplace or furnace.

S100. Ans.(d)
Sol. 'alike' should replace 'like'. The need is adjective(alike) here, whereas 'like' is preposition.