Directions (1-5): Read the given passage and answer the following questions.

The cosmetics industry, a vibrant and highly competitive sector, operates at the intersection of beauty and commerce, where consumer behavior significantly impacts financial outcomes. Brand loyalty in this industry is **profound**, with consumers often sticking to a particular brand that they trust. This loyalty is not merely a matter of habit; it's an emotional bond, forged through consistent product quality and brand messaging that resonates with personal identity. For cosmetic companies, loyal customers represent a stable revenue stream, reducing the cost of customer acquisition and enabling a focus on innovation and product development.

Price sensitivity is another important aspect of consumer behavior in the cosmetics market. While luxury brands thrive on their prestige and quality, commanding higher prices, there's a growing segment of price-conscious consumers who seek value. These consumers are willing to explore and switch brands, driven by discounts, promotions, or the promise of comparable quality at a lower price. This behavior pressures companies to strategically price their products, balancing between maintaining brand prestige and being **accessible** to a broader audience.

Purchasing decisions in the cosmetics industry are influenced by a plethora of factors, including social media, influencer endorsements, and environmental and ethical considerations. Consumers today are more informed and discerning, often researching products extensively before making a purchase. The rise of digital platforms has also transformed purchasing behaviors, with online reviews and tutorials significantly impacting decisions. This shift necessitates that cosmetic brands maintain a robust online presence and engage with consumers across multiple channels, ensuring transparency and building trust.

In conclusion, consumer behavior in the cosmetics market is shaped by a complex interplay of brand loyalty, price sensitivity, and informed purchasing decisions. Understanding these behaviors is _____ for brands aiming to navigate the competitive landscape successfully, necessitating strategies that honor consumer preferences while fostering innovation and sustainability. Brands that prioritize consumer-centric strategies, including fostering brand loyalty, addressing price sensitivity, and embracing transparency, are better positioned to thrive in this dynamic landscape. Moreover, as societal values evolve, an increasing emphasis on sustainability and ethical practices presents both challenges and opportunities for cosmetic companies. Ultimately, success in this vibrant and competitive sector hinges on the ability to anticipate and adapt to the evolving landscape of consumer behaviour, ensuring relevance and resonance in an increasingly discerning marketplace.

Q1. What is the primary factor that fosters brand loyalty among consumers in the cosmetics industry?
(a) The influence of social media and digital marketing strategies
(b) Forge an enduring emotional bond through unwavering product excellence
(c) The impact of environmental and ethical considerations on consumer choices
(d) Discounts and promotional activities offered by the brands
(e) The role of online reviews and tutorials in shaping consumer preferences

Q2. How do price-sensitive consumers behave in the cosmetics market?
(a) They exhibit unwavering loyalty to luxury brands regardless of price
(b) Their purchasing decisions are mostly influenced by influencer endorsements
(c) They tend to seek out and switch between brands in pursuit of favourable bargains.
(d) They solely prioritize environmental and ethical considerations over price
(e) They rely exclusively on online reviews and tutorials before making a purchase

Q3. How do digital platforms affect cosmetics purchasing decisions?
(a) They reduce the focus on products' environmental and ethical attributes.
(b) They greatly influence decisions through online reviews and tutorials.
(c) They make brand loyalty less important compared to online trends.
(d) They shift attention from pricing to the online narrative of brands.
(e) All of the above

Q4. In cosmetics buying, how do environmental and ethical factors weigh in?
(a) They are pivotal in forging and sustaining consumer trust and brand devotion.
(b) They mainly sway those consumers who are keen on finding budget-friendly options.
(c) Their influence is overshadowed by the persuasive power of social media and influencers.
(d) They are crucial in guiding thorough consumer research and thoughtful purchasing choices.
(e) Their impact is negligible when stacked against the allure of sales and markdowns.

Q5. How do loyal customers benefit cosmetic companies financially?
(a) By enabling a greater allocation of budget towards aggressive marketing strategies.
(b) By providing steady income, thereby reducing customer acquisition costs.
(c) By solely enhancing the company's reputation through word-of-mouth advertising.
(d) By enabling companies to solely concentrate on global market expansion.
(e) By encouraging a shift in focus towards competing on price with other brands.

Q6. Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).
In the ancient library, a (A)/ diligent scholar pursued forgotten (B)/ wisdom among dusty (C)/ tomes, driven by relentless curious. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q7. Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).
Among the options presented (A)/ to her, one of the dress stood (B)/ out for its vibrant colour (C)/ and flattering silhouette. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q8. Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).
We could exploring the possibility (A)/ of expanding our business into (B)/ international markets if we (C)/ conduct thorough market research. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q9. Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).
The best part of traveling (A)/ is experiencing new cultures (B)/ and meets people (C)/ from different backgrounds. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q10. Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).
The new restaurant hasn't (A)/ opened its doors yet, (B)/ but there's already a lot of (C)/ buzz about it in the community. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Directions (11-15) : In the passage six coherent sentences are given, which are not arranged in meaningful order. Rearrange these sentences in the correct order to answer the following questions.
(A) This accumulation is due to the rapid obsolescence of gadgets, spurred by tech advances and demand for new gadgets, which calls for recycling programs
(B) E-waste from discarded electronic devices is mounting, but recycling is not keeping pace.
(C) This incompetence has caused a vast quantity of potentially hazardous materials ending up in landfills, posing environmental and health risks.
(D) However, these recycling programs struggle due to e-waste complexity and global recycling standards absence.
(E) This has led to the urgency for effective recycling as e-waste holds reusable materials, which will reduce demand for new resources.
(F) Further innovative solutions and global cooperation are crucial to bridge the e-waste gap.

Q11. Which of the following would be the SECOND sentence after rearrangement?
(a) E
(b) D
(c) B
(d) A
(e) C

Q12. Which of the following would be the THIRD sentence after rearrangement?
(a) D
(b) A
(c) F
(d) B
(e) F

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

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

Q15. Which of the following would be the FOURTH sentence after rearrangement?
(a) D
(b) B
(c) C
(d) F
(e) E

Q16. In each of the following questions, a sentence has been given with two blanks. For each question, five options are given, each containing two words. You have to choose the most suitable option that fits both the blanks grammatically and contextually.
Gene editing could _____ our resilience to diseases, improve physical and cognitive _____, and even alter our appearance.
(a) recede, attack
(b) tarnish, infirmity
(c) moderate, debility
(d) impair, frailty
(e) enhance, abilities

Q17. In each of the following questions, a sentence has been given with two blanks. For each question, five options are given, each containing two words. You have to choose the most suitable option that fits both the blanks grammatically and contextually.
The town hall meeting turned _____ when _____ opinions clashed over the proposed changes.
(a) harmonious, entrenched
(b) futile, conciliatory
(c) contentious, intransigent
(d) productive, flexible
(e) peaceful, aggressive

Q18. In each of the following questions, a sentence has been given with two blanks. For each question, five options are given, each containing two words. You have to choose the most suitable option that fits both the blanks grammatically and contextually.
$ques$ **In an effort to _____ the rising crime rate, the city council proposed to _____ the police force with advanced technology and training programs.**
(a) exacerbate, dismantle
(b) alleviate, augment
(c) ignore, deplete
(d) acknowledge, reduce
(e) magnify, disband

Q19. In each question, one word is given in bold and correspondence to that, three sentences are given each containing that word. Choose the option depicts the sentence(s) that have/ has the correct usage of the word.
PRECIOUS
(I) Time is the most precious resource we have; it's the one thing we can never get more of, no matter how hard we try.
(II) Every moment spent with loved ones is precious, a treasure that enriches our lives beyond measure.
(III) The first rays of dawn, casting a golden hue over the world, are as precious as the promise of a new beginning.
(a) Only (I)
(b) Only (II)
(c) Only (III)
(d) All are correct
(e) Both (I) and (III)

Q20. In each question, one word is given in bold and correspondence to that, three sentences are given each containing that word. Choose the option depicts the sentence(s) that have/ has the correct usage of the word.
**EMERGENCY**
(I) After watering her garden, she declared it an emergency that she needed to find her sunglasses before the sun set.
(II) In the face of an emergency, the true strength of a community is revealed through its unity and resilience.
(III) When the emergency alarm sounded, hearts raced as everyone prepared for the unforeseen with a mix of fear and determination.
(a) Only (I)
(b) Only (II)
(c) Only (III)
(d) Both (I) and (II)
(e) Both (II) and (III)

Directions (21-25): The bar graph given below shows the percentage distribution of total number of viewers (boys and girls) watching five (P, Q, R, S and T) different types of web series and it also shows the percentage distribution of girls watching the above five web series. Read the bar graph carefully and answer the questions.

Note: Total number of viewers = 3600

- percentage distribution of total number of viewers (boys and girls)
- percentage distribution of girls
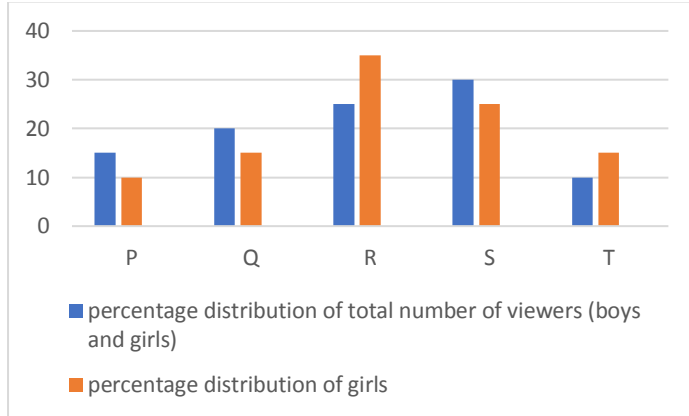
Q21. If the number of girls watching web series T are 240, then find the total number of boys watching web series P, R, and S together.
(a) 1500
(b) 1600
(c) 1400
(d) 1800
(e) 1200

Q22. If the number of boys watching all web series are 2400, then find the difference between the number of boys and girls watching web series R.
(a) 40
(b) 60
(c) 50
(d) 20
(e) 80

Q23. If total number of viewers (Boys + girls) watching another web series X are 650 and number of girls watching it are 9/8th of the number of girls watching web series T, then find the number of boys watching web series X. (Given, number of girls watching web series R is 560)
(a) 225
(b) 175
(c) 210
(d) 380
(e) Can't be determined

Q24. If the difference between the number of boys and girls watching web series S is 280, then find the number of girls watching web series S. (Number of girls are more than that of boys)
(a) 160
(b) 280
(c) 120
(d) 240
(e) 680

Q25. If total boys watching web series Q are 50% more than that of girls, then find the sum of girls watching web series P and Q together?
(a) 480
(b) 560
(c) 600
(d) 520
(e) 640

Directions (26-30): What approximate value should come in place of question mark (?) in following questions.

Q26. 64.9% of 380 - ? $\div \left(\frac{2}{3}\right) = \sqrt[3]{9261} + 81.8$
(a) 125
(b) 109
(c) 96
(d) 103
(e) 132

Q27. $(6.98)^2 + \sqrt[3]{1728} \div 24.01 + \sqrt{?} \div 11.9 = 50$
(a) 36
(b) 25
(c) 16
(d) 49
(e) 27

Q28. 133.98 × 17.05 = (? × 40.04) + 277.98
(a) 20
(b) 30
(c) 40
(d) 50
(e) 60

Q29. $\sqrt{1850} \times 44.98\%$ of $1680.321 = ? \times 300.986$
(a) 108
(b) 164
(c) 92
(d) 204
(e) 146

Q30. $\frac{340.05}{20.002} \div \frac{29.997}{509.98} \times \frac{179.909}{59.919} = ?$
(a) 760
(b) 800
(c) 690
(d) 867
(e) 780

Direction (31 -35): Find the wrong term in following number series.

Q31. 16, 28, 78, 304, 1510, 9044
(a) 9044
(b) 28
(c) 78
(d) 304
(e) 1510

Q32. 675, 338, 170, 86, 44, 23
(a) 23
(b) 338
(c) 170
(d) 44
(e) 675

Q33. 47, 57, 81, 130, 211, 332
(a) 57
(b) 130
(c) 211
(d) 332
(e) 81

Q34. 14, 116, 239, 404, 632, 942
(a) 14
(b) 116
(c) 632
(d) 942
(e) 239

Q35. 460, 513, 537, 752, 800, 1311
(a) 1311
(b) 800
(c) 460
(d) 537
(e) 752

Q36. Ankur and Bharti entered into a partnership business with investment of Rs 26000 & Rs 10000 respectively. After six months, Chetna joined them with investment of Rs 36000. At the end of the year, the profit share of Chetna is Rs. 7200. Find the total profit of Ankur and Bharti.
(a) Rs 6400
(b) Rs 16600
(c) Rs 4000
(d) Rs 14400
(e) Rs 3200

Q37. Ten years ago, the sum age of P and Q was 60 years. The present age of P is 20% more than that of R. If Q is eight years younger than R, then find the average age of all three persons (in years).
(a) 34
(b) 32
(c) 36
(d) 24
(e) 40

Q38. A man invested Rs X in scheme A on compound interest at rate of 20% p.a. for two years and he invested Rs (X-500) in scheme B on simple interest at rate of 24% p.a. for 2.5 years. If the interest received by man from scheme B is Rs 20 more than that of from scheme A, then find amount invested in scheme B.
(a) Rs 2000
(b) Rs 2500
(c) Rs 1500
(d) Rs 1000
(e) Rs 1250

Q39. The speed of boat P in still water is 300% more than the speed of stream and it covers 48 km upstream in 16 hours. If the speed of boat Q in still water is 4 kmph more than the speed of boat P in downstream, then find the time (in minutes) taken by boat Q to cover the same distance in upstream.
(a) 210
(b) 180
(c) 240
(d) 300
(e) 360

Q40. A and B started a business with investments of Rs Y and Rs 3Y/5, respectively. After eight months, A invested Rs. 2000 more in the business. If, at the end of the year, the profit-sharing ratio of B to A is 27:50, respectively, then find Y.
(a) 4500
(b) 6000
(c) 8000
(d) 3600
(e) 5400

Q41. Statement: With the rising crime rates in urban areas, local authorities are facing growing concerns about the safety of citizens. The number of violent crimes, especially in densely populated areas, has significantly increased in recent years.
Course of action:
I. The authorities should organize cultural festivals in urban areas to divert people's attention from crime.
II. The government should focus on improving the root causes of crime such as unemployment, poverty, and lack of education.
Which of the following course of action does logically follow?
(a) If only I follows
(b) If only II follows
(c) If either I or II follows
(d) If neither I nor II follows
(e) If both I and II follow

Directions (42-44): 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.
(a) If only II follows
(b) If only I follows
(c) If neither I nor II follows
(d) If either I or II follows
(e) If both I and II follow

Q42. Statements: Only a few Dell are LG
Some LG is Lenovo
No Lenovo is HP
Conclusions:
I. Some LG is HP
II. Some Dell being Lenovo is a possibility.

Q43. Statements: Some golf is cricket
All cricket is basketball
Some basketball is Hockey
Conclusions:
I. Some Hockey is golf
II. Some Cricket is Hockey

Q44. Statements: Only Lotus is Rose
Only a few Lotus are sunflower
Some sunflower is Orchid
Conclusions: I. All rose being Orchid is a possibility
II. Some Lotus being Orchid is a possibility

Directions (45-49): Study the following information carefully and answer the questions given below.
Five friends - A, B, C, D, and E participate in a cooking competition on five different days of a week starting from Monday and ending on Friday. Each friend prepares a different dish - Pizza, Pasta, Salad, Soup, and Sandwich but not necessarily in the same order.
The one who prepared Salad participated on Wednesday. One friend participated between the one who prepared Salad and A. The one who prepared Pizza participated two days after the one who prepared salad. Two friends participated between B and C who prepared soup. Number of friends participated before the one who prepared soup is same as the number of friends participated after D. E participated just after the one who prepared pasta.

Q45. Who prepared Salad?
(a) A
(b) B
(c) None of these
(d) D
(e) E

Q46. On which day did D participate?
(a) Monday
(b) Tuesday
(c) Wednesday
(d) Thursday
(e) Friday

Q47. Which friend prepared Sandwich?
(a) E
(b) The one participated on Monday
(c) None of these
(d) D
(e) The one participated on Friday

Q48. How many friends participated between C and E?
(a) None
(b) One
(c) Two
(d) Three
(e) None of these

Q49. A prepared which of the following dish?
(a) Soup
(b) Sandwich
(c) Pizza
(d) None of these
(e) Pasta

Q50. In a certain code "HAPPY" is coded as "IBQQZ" and "PEOPLE" is coded as "QFPQMF", then what will be the code for the word "POLE"?
(a) QPMF
(b) QBMF
(c) YKFM
(d) KFGM
(e) None of these

Directions (51-53): In these questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer.
(a) If only conclusion I is true
(b) If only conclusion II is true
(c) If either conclusion I or II is true
(d) If neither conclusion I nor II is true
(e) If both conclusions I and II are true

Q51. Statements: M ≤ H < R =T; W > D ≥ R ≤ X
Conclusions: I: W>M   II: T≤X

Q52. Statements: Q ≥ W > E = R < T ≥ Y ≤ U > I= O ≤ P
Conclusions: I: R<I   II: E≥O

Q53. Statements: U < G ≤ T = D; Y ≥ Q = M < G
Conclusions: I: D>Q   II: Q<U

Directions (54): The ministry of women and child development has decided to increase maternity leave from the current 12 weeks to 26 weeks and extend this to all women workers in both public and private employment. India has very low rates of recognised work participation by women (around 24 per cent) that have even declined over the past decade. It is also a sign of the continuing low status of women and their lack of agency in Indian society. As it happens, most women in India do indeed work, but they are involved not in paid employment but in unpaid work in their homes.

Q54. Which of the following are not in line with the given statement?
(a) Kerala state has highest percentage of women participation in public and private employment.
(b) Work of housewife is crucial in Indian society.
(c) There is very slow promotion for public employee.
(d) Only (a) and (b)
(e) Only (b) and (c)

Directions (55-59): Study the following information carefully and answer the questions given below.

Nine individuals - A, B, C, D, E, F, G, H and I - were born on 31st December in different years 1999, 2000, 2002, 2004, 2005, 2011, 2012, 2016 and 2018 but not necessarily in the same order. Age of all of them was calculated as of 31st December 2021.

The age of D is a multiple of 5. H is the youngest among all. The sum of the ages of F and G is 19 years. The difference between the ages of A and C is 3 years. E and A are not the oldest. Two persons were born between E and G. The difference between the ages of B and C is 2 years.

Q55. How many persons were born between I and A?
(a) Two
(b) Three
(c) Four
(d) One
(e) More than four

Q56. What is the age of E?
(a) 21 years
(b) 16 years
(c) 5 years
(d) 17 years
(e) Can't be determined

Q57. Four of the following five are alike in certain way with respect to F, then who among the following doesn't belong to that group?
(a) I
(b) E
(c) D
(d) A
(e) B

Q58. In which of the following year does I was born?
(a) 1999
(b) 2002
(c) 2016
(d) 2005
(e) 2018

Q59. What is the sum of the ages of B and D?
(a) 32 years
(b) 29 years
(c) 28 years
(d) 24 years
(e) 26 years

Q60. In a certain code language "BURN" is coded as "WDPT" in the similar way "REST" is coded as "GTVU" then what is the code for "COIN"?
(a) PKQE
(b) PKEQ
(c) QEPK
(d) QRPK
(e) None of these

Solutions

S1. Ans.(b)
Sol. The correct option is "Forge an enduring emotional bond through unwavering product excellence."
The passage emphasizes that brand loyalty in the cosmetics industry is deeply rooted in an emotional bond between the consumer and the bran(D)This bond is primarily forged through consistent product quality and brand messaging that aligns with the consumer's personal identity, rather than being based on discounts, social media influence, or environmental considerations.
To validate the answer, refer to the lines from the passage: This loyalty is not merely a matter of habit; it's an emotional bond, forged through consistent product quality and brand messaging that resonates with personal identity.

S2. Ans.(c)
Sol. The correct option is "They tend to seek out and switch between brands in pursuit of favourable bargains."
Price-sensitive consumers in the cosmetics market demonstrate a willingness to explore and switch brands, driven by the pursuit of valu(E)This includes searching for discounts, promotions, or comparable quality at lower prices, rather than showing loyalty to luxury brands or basing decisions solely on influencer endorsements, environmental policies, or online content.
To validate the answer, refer to the lines from the passage: These consumers are willing to explore and switch brands, driven by discounts, promotions, or the promise of comparable quality at a lower price.

S3. Ans.(b)
Sol. The correct option is "They greatly influence decisions through online reviews and tutorials."
The passage explicitly mentions that online reviews and tutorials have a significant impact on consumer decisions in the cosmetics industry. These digital platforms allow consumers to conduct in-depth research and gather valuable insights before making a purchase, thus playing a pivotal role in shaping their choices.
To validate the answer, refer to the lines from the passage: The rise of digital platforms has also transformed purchasing behaviors, with online reviews and tutorials significantly impacting decisions.

S4. Ans.(d)
Sol The correct option is "They are crucial in guiding thorough consumer research and thoughtful purchasing choices".
The passage indicates that environmental and ethical considerations play a significant role in the decision-making process of consumers in the cosmetics industry. These factors are part of what today's informed consumers research extensively before making a purchase, suggesting they are important in guiding purchasing choices.
To validate the answer, refer to the lines from the passage: plethora of factors, including social media, influencer endorsements, and environmental and ethical considerations. Consumers today are more informed and discerning, often researching products extensively before making a purchase.

S5. Ans.(b)
Sol. The correct option is "By providing steady income, thereby reducing customer acquisition costs."'
Loyal customers act as a stable source of revenue for cosmetic companies, which is beneficial as it decreases the need and associated costs of attracting new customers. This stability not only aids in financial planning but also allows companies to allocate resources towards innovation and enhancing product offerings, as mentioned in the passag(E)
To validate the answer, refer to the lines from the passage: For cosmetic companies, loyal customers represent a stable revenue stream, reducing the cost of customer acquisition and enabling a focus on innovation and product development.

S6. Ans.(d)
Sol. The error lies in the part D.
The error is using "curious" instead of "curiosity." "Curious" is an adjective, while "curiosity" is the noun needed to fit the context of the sentence.
Corrected sentence: In the ancient library, a diligent scholar pursued forgotten wisdom among dusty tomes, driven by relentless **curiosity**.

S7. Ans.(b)
Sol. The error lies in the part B.
The correct form is "dresses" instead of "dress" because the subject "one" is singular, so the verb "stood" should agree with it. However, the word "dresses" should be plural to match the plural noun.
Corrected sentence: Among the options presented to her, one of the **dresses** stood out for its vibrant colour and flattering silhouette.

S8. Ans.(a)
Sol. The error lies in the part A.
The error is using "exploring" instead of the base form "explore" after "could." After modal verbs like "could," we use the base form of the verb, not the -ing form.
Corrected sentence: We could **explore** the possibility of expanding our business into international markets if we conduct thorough market research.

S9. Ans.(c)
Sol. The error lies in the part C.
The correct form is "meeting" instead of "meets." The verb should be in the gerund form ("meeting") to maintain parallelism with the gerund phrase "experiencing".
Corrected sentence: The best part of traveling is experiencing new cultures and **meeting** people from different backgrounds.

S10. Ans.(e)
Sol. The sentence is grammatically correct.

S11. Ans.(d)
Sol. The correct sequence is "BADCEF".
(B) E-waste from discarded electronic devices is mounting, but recycling is not keeping pace.
This sentence introduces the main issue: the growing amount of e-waste and the insufficiency of recycling efforts.
(A) This accumulation is due to the rapid obsolescence of gadgets, spurred by tech advances and demand for new gadgets, which calls for recycling programs.

This sentence explains the reason behind the mounting e-waste, linking it to the fast obsolescence of gadgets and the need for recycling programs.

(D) However, these recycling programs struggle due to e-waste complexity and global recycling standards absence.
This sentence highlights the challenges faced by recycling programs, explaining why they are not keeping pace with the accumulation of e-waste.

(C) This incompetence has caused a vast quantity of potentially hazardous materials ending up in landfills, posing environmental and health risks.
This sentence describes the consequences of the struggling recycling programs, emphasizing the environmental and health risks of improperly handled e-waste.

(E) This has led to the urgency for effective recycling as e-waste holds reusable materials, which will reduce demand for new resources.
This sentence points out the need for effective recycling to reclaim reusable materials from e-waste, which can help reduce the demand for new resources.

(F) Further innovative solutions and global cooperation are crucial to bridge the e-waste gap.
This concluding sentence calls for innovative solutions and global cooperation as necessary steps to address the e-waste problem effectively.

S12. Ans.(a)
Sol. The correct sequence is "BADCEF".
(B) E-waste from discarded electronic devices is mounting, but recycling is not keeping pace.
This sentence introduces the main issue: the growing amount of e-waste and the insufficiency of recycling efforts.

(A) This accumulation is due to the rapid obsolescence of gadgets, spurred by tech advances and demand for new gadgets, which calls for recycling programs.
This sentence explains the reason behind the mounting e-waste, linking it to the fast obsolescence of gadgets and the need for recycling programs.

(D) However, these recycling programs struggle due to e-waste complexity and global recycling standards absence.
This sentence highlights the challenges faced by recycling programs, explaining why they are not keeping pace with the accumulation of e-waste.

(C) This incompetence has caused a vast quantity of potentially hazardous materials ending up in landfills, posing environmental and health risks.
This sentence describes the consequences of the struggling recycling programs, emphasizing the environmental and health risks of improperly handled e-waste.

(E) This has led to the urgency for effective recycling as e-waste holds reusable materials, which will reduce demand for new resources.
This sentence points out the need for effective recycling to reclaim reusable materials from e-waste, which can help reduce the demand for new resources.

(F) Further innovative solutions and global cooperation are crucial to bridge the e-waste gap.
This concluding sentence calls for innovative solutions and global cooperation as necessary steps to address the e-waste problem effectively.

S13. Ans.(c)
Sol. The correct sequence is "BADCEF".
(B) E-waste from discarded electronic devices is mounting, but recycling is not keeping pace.
This sentence introduces the main issue: the growing amount of e-waste and the insufficiency of recycling efforts.

(A) This accumulation is due to the rapid obsolescence of gadgets, spurred by tech advances and demand for new gadgets, which calls for recycling programs.
This sentence explains the reason behind the mounting e-waste, linking it to the fast obsolescence of gadgets and the need for recycling programs.

(D) However, these recycling programs struggle due to e-waste complexity and global recycling standards absence.
This sentence highlights the challenges faced by recycling programs, explaining why they are not keeping pace with the accumulation of e-waste.

(C) This incompetence has caused a vast quantity of potentially hazardous materials ending up in landfills, posing environmental and health risks.
This sentence describes the consequences of the struggling recycling programs, emphasizing the environmental and health risks of improperly handled e-waste.

(E) This has led to the urgency for effective recycling as e-waste holds reusable materials, which will reduce demand for new resources.

This sentence points out the need for effective recycling to reclaim reusable materials from e-waste, which can help reduce the demand for new resources.

(F) Further innovative solutions and global cooperation are crucial to bridge the e-waste gap.

This concluding sentence calls for innovative solutions and global cooperation as necessary steps to address the e-waste problem effectively.

S14. Ans.(b)
Sol. The correct sequence is "BADCEF".

(B) E-waste from discarded electronic devices is mounting, but recycling is not keeping pace.

This sentence introduces the main issue: the growing amount of e-waste and the insufficiency of recycling efforts.

(A) This accumulation is due to the rapid obsolescence of gadgets, spurred by tech advances and demand for new gadgets, which calls for recycling programs.

This sentence explains the reason behind the mounting e-waste, linking it to the fast obsolescence of gadgets and the need for recycling programs.

(D) However, these recycling programs struggle due to e-waste complexity and global recycling standards absence.

This sentence highlights the challenges faced by recycling programs, explaining why they are not keeping pace with the accumulation of e-waste.

(C) This incompetence has caused a vast quantity of potentially hazardous materials ending up in landfills, posing environmental and health risks.

This sentence describes the consequences of the struggling recycling programs, emphasizing the environmental and health risks of improperly handled e-waste.

(E) This has led to the urgency for effective recycling as e-waste holds reusable materials, which will reduce demand for new resources.

This sentence points out the need for effective recycling to reclaim reusable materials from e-waste, which can help reduce the demand for new resources.

(F) Further innovative solutions and global cooperation are crucial to bridge the e-waste gap.

This concluding sentence calls for innovative solutions and global cooperation as necessary steps to address the e-waste problem effectively.

S15. Ans.(c)
Sol. The correct sequence is "BADCEF".

(B) E-waste from discarded electronic devices is mounting, but recycling is not keeping pace.

This sentence introduces the main issue: the growing amount of e-waste and the insufficiency of recycling efforts.

(A) This accumulation is due to the rapid obsolescence of gadgets, spurred by tech advances and demand for new gadgets, which calls for recycling programs.

This sentence explains the reason behind the mounting e-waste, linking it to the fast obsolescence of gadgets and the need for recycling programs.

(D) However, these recycling programs struggle due to e-waste complexity and global recycling standards absence.

This sentence highlights the challenges faced by recycling programs, explaining why they are not keeping pace with the accumulation of e-waste.

(C) This incompetence has caused a vast quantity of potentially hazardous materials ending up in landfills, posing environmental and health risks.

This sentence describes the consequences of the struggling recycling programs, emphasizing the environmental and health risks of improperly handled e-waste.

(E) This has led to the urgency for effective recycling as e-waste holds reusable materials, which will reduce demand for new resources.

This sentence points out the need for effective recycling to reclaim reusable materials from e-waste, which can help reduce the demand for new resources.

(F) Further innovative solutions and global cooperation are crucial to bridge the e-waste gap.

This concluding sentence calls for innovative solutions and global cooperation as necessary steps to address the e-waste problem effectively.

S16. Ans.(e)
Sol. To solve this question, we need to find the pair of words that best fit the context of the sentence both grammatically and logically. Let's analyze each option:
Sentence: "Gene editing could _____ our resilience to diseases, improve physical and cognitive _____, and even alter our appearance."
Option (a): recede, attack

Recede: move back or away.

Attack: an aggressive act against something.

These words don't fit contextually because gene editing is not expected to decrease resilience or improve attacks.

Option (b): tarnish, infirmity

Tarnish: lose or cause to lose luster.

Infirmity: physical or mental weakness.

These words also don't fit as gene editing is generally associated with improvements rather than causing weakness or making something lose its luster.

Option (c): moderate, debility

Moderate: make or become less extreme.

Debility: physical weakness, especially as a result of illness.

While "moderate" could somewhat fit, "debility" (weakness) does not align with improving physical and cognitive aspects.

Option (d): impair, frailty

Impair: weaken or damage.

Frailty: the condition of being weak and delicate.

These terms are negative and suggest weakening, which is the opposite of what gene editing aims to achieve.

Option (e): enhance, abilities

Enhance: intensify, increase, or further improve.

Abilities: the possession of the means or skill to do something.

This pair makes the most sense as gene editing is typically discussed in the context of improving resilience, physical and cognitive abilities, and potentially altering appearance positively.

Given the context that gene editing is expected to improve aspects of human health and capabilities, **option (e)** is the most appropriate choice.

S17. Ans.(c)

Sol. To solve this question, we need to find the pair of words that best fit the context of the sentence both grammatically and logically. Let's analyze each option:

Sentence: "The town hall meeting turned _____ when _____ opinions clashed over the proposed changes."

Option (a): harmonious, entrenched

Harmonious: forming a pleasing or consistent whole; free from disagreement or dissent.

Entrenched: firmly established and difficult or unlikely to change.

This pair doesn't fit because a meeting wouldn't turn harmonious when firmly established opinions clash.

Option (b): futile, conciliatory

Futile: incapable of producing any useful result; pointless.

Conciliatory: intended or likely to placate or pacify.

These words don't fit because a meeting wouldn't turn futile due to placatory opinions clashing.

Option (c): contentious, intransigent

Contentious: causing or likely to cause an argument; controversial.

Intransigent: unwilling or refusing to change one's views or to agree about something.

This pair makes sense because a meeting would become contentious (argumentative) when intransigent (uncompromising) opinions clash.

Option (d): productive, flexible

Productive: achieving or producing a significant amount or result.

Flexible: capable of bending easily without breaking; ready and able to change so as to adapt to different circumstances.

This pair doesn't fit because a meeting wouldn't turn productive due to flexible opinions clashing; flexible opinions usually lead to agreements.

Option (e): peaceful, aggressive

Peaceful: free from disturbance; tranquil.

Aggressive: ready or likely to attack or confront; characterized by or resulting from aggression.

This pair doesn't fit well because a meeting wouldn't turn peaceful when aggressive opinions clash; the clash of aggressive opinions would disrupt peace.

Given the context that the meeting turned into an argument due to the clash of uncompromising opinions, **option (c)** is the most appropriate choice.

S18. Ans.(b)
Sol. To solve this question, we need to find the pair of words that best fit the context of the sentence both grammatically and logically. Let's analyze each option:
Sentence: "In an effort to _____ the rising crime rate, the city council proposed to _____ the police force with advanced technology and training programs."
Option (a): exacerbate, dismantle
Exacerbate: make (a problem, bad situation, or negative feeling) worse.
Dismantle: take (a machine or structure) to pieces.
This option doesn't fit because it implies worsening the crime rate and reducing police capabilities, which is illogical for the city council's goals.
Option (b): alleviate, augment
Alleviate: make (suffering, deficiency, or a problem) less severe.
Augment: make (something) greater by adding to it; increase.
This option fits well because the goal is to reduce (alleviate) the crime rate and enhance (augment) the police force with advanced technology and training.
Option (c): ignore, deplete
Ignore: refuse to take notice of or acknowledge; disregard intentionally.
Deplete: use up the supply or resources of.
This option doesn't fit because ignoring the crime rate and depleting the police force would be counterproductive.
Option (d): acknowledge, reduce
Acknowledge: accept or admit the existence or truth of.
Reduce: make smaller or less in amount, degree, or size.
This option doesn't fit well because acknowledging the crime rate doesn't imply a direct action to improve it, and reducing the police force contradicts the idea of enhancement.
Option (e): magnify, disband
Magnify: make (something) appear larger than it is, especially with a lens or microscope.
Disband: break up or cause to break up and stop functioning.
This option doesn't fit because it suggests worsening the crime rate and disbanding the police force, which is contrary to the intended efforts.
Given the context that the city council aims to reduce the crime rate and enhance the police force, **option (b)** is the most appropriate choice.

S19. Ans.(d)
Sol. The word "**precious**" means of great value; not to be wasted or treated carelessly. Let's analyze the sentences:
Sentence (I) correctly uses "precious" to describe time as a valuable resource that cannot be replenished, emphasizing its importance and value.
Sentence (II) also correctly uses "precious" in describing moments spent with loved ones as valuable and enriching, likening them to a treasure.
Sentence (III) uses "precious" aptly to describe the first rays of dawn, highlighting their beauty and the symbolic value of new beginnings, indicating something highly valued and cherished.
Given these interpretations, all three sentences correctly use the term "precious" to convey a sense of great value and importance. Therefore, the correct option is:
(d) All are correct

S20. Ans.(e)
Sol. The word "emergency" refers to a serious, unexpected, and often dangerous situation requiring immediate action. Let's analyze the sentences:
Sentence (I) misuses "emergency" by applying it to a non-urgent, non-critical situation of finding sunglasses. This use trivializes the seriousness typically associated with emergencies.
Sentence (II) correctly uses "emergency" to describe a situation that tests the strength and unity of a community, aligning with the definition of a serious and immediate situation.
Sentence (III) also correctly uses "emergency," referring to the sounding of an alarm that indicates a need for immediate action due to a potentially dangerous situation.
Given this analysis, the sentences that correctly use the term "emergency" are:
(e) Both (II) and (III)

S21. Ans.(c)

Sol. Total number of girls watching all web series $= \frac{240}{15} \times 100 = 1600$

Total number of boys watching web series P$= \frac{15}{100} \times 3600 - \frac{10}{100} \times 1600 = 380$

Total number of boys watching web series R$= \frac{25}{100} \times 3600 - \frac{35}{100} \times 1600 = 340$

Total number of boys watching web series S $= \frac{30}{100} \times 3600 - \frac{25}{100} \times 1600 = 680$

Required number of boys = 380 + 340 + 680 = 1400

S22 Ans.(b)

Sol. Number of girls watching web series R$= (3600 - 2400) \times \frac{35}{100} = 420$

Number of boys watching web series R$= 3600 \times \frac{25}{100} - 420 = 480$

Required difference = 480 – 420 = 60

S23. Ans.(d)

Sol. Number of girls watching web series X$= \frac{9}{8} \times \frac{560}{35} \times 15 = 270$

Number of boys watching web series X $= 650 - 270 = 380$

S24. Ans.(e)

Sol. Total viewers watching web series S$= \frac{30}{100} \times 3600 = 1080$

Given, difference between girls and boys= 280

Number of girls watching web series S$= \frac{1080+280}{2} = 680$

S25. Ans.(a)

Sol. Let the total number of girls watching web series Q be x.

Total viewers watching web series Q $= \frac{20}{100} \times 3600 = 720$

ATQ,

$$\frac{720 - x}{x} = \frac{150}{100}$$
$$1440 - 2x = 3x$$
$$x = 288$$

Number of girls watching web series P $= \frac{288}{15} \times 10 = 192$

Required sum = 288 + 192 = 480

S26. Ans.(c)

Sol. $65\% \times 380 - ? \times \frac{3}{2} = 21 + 82$

$$247 - ? \times \frac{3}{2} = 103$$
$$? = 96$$

S27. Ans.(a)

Sol. $7^2 + \frac{12}{24} + \frac{\sqrt{?}}{12} = 50$

$49 + \frac{1}{2} + \frac{\sqrt{?}}{12} = 50$

$\frac{\sqrt{?}}{12} = 50 - \frac{99}{2}$

$$\frac{\sqrt{?}}{12} = \frac{1}{2}$$
$$? = 36$$

S28. Ans.(d)
Sol. $134 \times 17 = 40 \times ? + 278$
$2278 = 40 \times ? + 278$

$$? = \frac{2000}{40} = 50$$

S29. Ans.(a)
Sol. $? \approx \frac{43 \times 45 \times 1680}{100 \times 301}$

$$? = 108$$

S30. Ans.(d)
Sol. $? \approx \frac{340}{20} \div \frac{30}{510} \times \frac{180}{60}$
$? \approx \frac{340}{20} \times \frac{510}{30} \times \frac{180}{60} = 867$

S31 Ans.(a)
Sol. Wrong number = 9044
Pattern of series -
$16 \times 2 - 4 = 28$
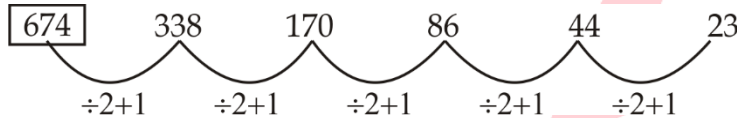$28 \times 3 - 6 = 78$
$78 \times 4 - 8 = 304$
$304 \times 5 - 10 = 1510$
$1510 \times 6 - 12 = 9048$

S32. Ans.(e)
Sol. Wrong number = 675
Pattern of series -

674 338 170 86 44 23
÷2+1 ÷2+1 ÷2+1 ÷2+1 ÷2+1

S33. Ans.(a)
Sol. Wrong number = 57
Pattern of series –
47+9=56
56+25=81
81+49=130
130+81=211
211+121=332

S34. Ans.(d)
Sol. Wrong number = 942
Pattern of series -

14 116 239 404 632 944
+102 +123 +165 +228 +312
+21 +42 +63 +84
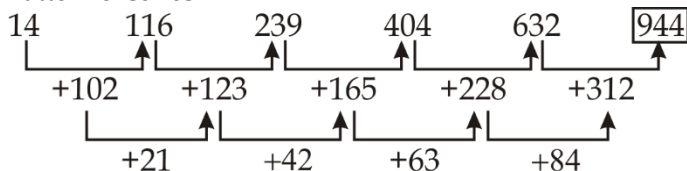
S35. Ans.(c)
Sol. Wrong number = 460
Pattern of series -

450 513 537 752 800 1311
$+(4^3-1)$ $+(5^2-1)$ $+(6^3-1)$ $+(7^2-1)$ $+(8^3-1)$
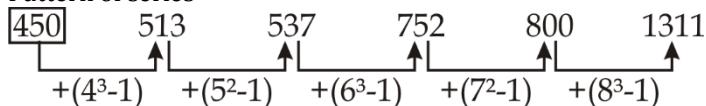
S36. Ans.(d)
Sol. Ratio of profit share of Ankur, Bharti and Chetna = 26000 × 12: 10000 × 12: 36000 × 6
= 13 : 5 : 9
Let total profit of all three = 27x
ATQ, $27x \times \frac{9}{27} = 7200$
9x = 7200
x = 800
Required difference = $27 \times \frac{13+5}{27} \times 800$ = 14400 Rs

S37. Ans.(e)
Sol. Let the present age of R be 5n years
So, present age of P = $5n \times \frac{6}{5} = 6n$ years
And, present age of Q = 5n – 8 years
Sum of present ages of P & Q = 60 + 10 + 10 = 80 years
ATQ, 6n + 5n – 8 = 80
11n = 88
n = 8
Present age of P = 6 × 8 = 48 years
Present age of Q = 5 × 8 − 8 = 32 years
Present age of R = 5 × 8 = 40 $years$
Required average age = $\frac{48+32+40}{3}$ = 40 years

S38. Ans.(c)
Sol. Equivalent rate of interest at rate of 20% p.a. for two years = $(20+20+\frac{20 \times 20}{10})$ = 44%

$(X - 500) \times \frac{24 \times \frac{5}{2}}{100} - \frac{44X}{100} = 20$
$60X - 30000 - 44X = 2000$
$16X = 32000$
X = 2000
Required amount = 2000 - 500 = 1500 Rs.

S39. Ans.(e)
Sol. Let the speed of stream be y kmph.
So, speed of boat P in still water= $\frac{400}{100} \times y = 4y$ kmph
ATQ, $\frac{48}{4y-y} = 16$
$y = 1$
So, speed of stream= y = 1 kmph
Speed of boat Q in still water= $5 \times 1 + 4 = 9$ kmph
Required time= $\frac{48}{9-1} = 6$ hours= $6 \times 60 = 360$ minutes

S40. Ans.(b)
Sol. The profit-sharing ratio of A to B = $Y \times 8 + (Y + 2000) \times 4 : \frac{3Y}{5} \times 12$
ATQ,
$\frac{8Y + 4Y + 8000}{\frac{36Y}{5}} = \frac{50}{27}$
$(12Y + 8000) \times 27 = \frac{36Y}{5} \times 50$
(12Y+8000)×3=40Y
24000=40Y-36Y
24000=4Y
6000=Y

S41. Ans.(b)
Sol. Explanation: Statement I is illogical and does not follow, as organizing cultural festivals is not a direct or effective solution to tackle rising crime or ensure citizen safety. Statement II is logical. Tackling the root causes of crime—such as unemployment, poverty, and lack of education—can lead to a long-term reduction in criminal behaviour. Hence, this course of action is valid and practical.
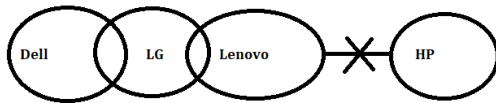
Direction (42-44):

S42. Ans.(a)
Explanation:
I. Doesn't follow: There is no direct relation between LG and HP so any definite relation can't be followed.
II. Follows: There is no direct relation between Dell and Lenovo but in possibility case we can find relation between Dell and Lenovo.
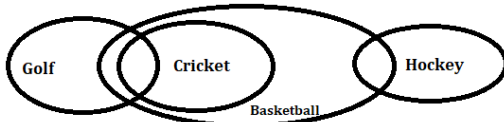

S43. Ans.(c)
Explanation:
I. Doesn't follow: There is no direct relation between Hockey and Golf.
II. Doesn't follow: There is no direct relation between Cricket and Hockey.

S44. Ans.(a)
Explanation:
I. Doesn't follow: Because Rose is related to only Lotus so in any case no relation follow.
II. Follows: There is no direct relation between Lotus and Orchid but in possibility case relation can be follow.
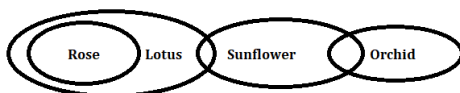
Directions (45-49):
Final arrangement:

Days	Persons	Dishes
Monday	B	Sandwich
Tuesday	D	Pasta
Wednesday	E	Salad
Thursday	C	Soup
Friday	A	Pizza

Explanation:
Clues:
The one who prepared Salad participated on Wednesday. One friend participated between the one who prepared Salad and A.

Inference:
So, we get two possible cases as A may participate on Friday or on Monday.

Days	Persons	Dishes	Persons	Dishes
	Case 1		Case 2	
Monday			A	
Tuesday				

Wednesday		Salad		Salad
Thursday				
Friday	A			

Clues:

The one who prepared Pizza participated two days after the one who prepared salad. Two friends participated between B and C who prepared soup. Number of friends participated before the one who prepared soup is same as the number of friends participated after D.

Inference:

So, D will participate on Tuesday in case 1 and on Thursday in case 2.

Days	Persons	Dishes	Persons	Dishes
	Case 1		**Case 2**	
Monday	B		A	
Tuesday	D		C	Soup
Wednesday		Salad		Salad
Thursday	C	Soup	D	
Friday	A	Pizza	B	Pizza

Clues:

E participated just after the one who prepared pasta.

Inference:

Case 2 is ruled out here because there is no two such adjacent places.

Days	Persons	Dishes	~~Persons~~	~~Dishes~~
	Case 1		~~Case 2~~	
Monday	B		~~A~~	
Tuesday	D	Pasta	~~C~~	~~Soup~~
Wednesday	E	Salad		~~Salad~~
Thursday	C	Soup	~~D~~	
Friday	A	Pizza	~~B~~	~~Pizza~~

Inference:

We know, One of them prepared sandwich so the final arrangement:

Days	Persons	Dishes
Monday	B	Sandwich
Tuesday	D	Pasta
Wednesday	E	Salad
Thursday	C	Soup
Friday	A	Pizza

S45. Ans.(e)
Sol. E prepared Salad.

S46. Ans.(b)
Sol. D participate on Tuesday.

S47. Ans.(b)
Sol. The one participated on Monday prepared Sandwich.

S48. Ans.(a)
Sol. No one participated between C and E.

S49. Ans.(c)
Sol. A prepared Pizza.

S50. Ans.(c)
Sol. Every letter of the word replaced by its next letter in alphabetical series.
So, code for POLE- QPMF

Directions (51-53):

S51. Ans.(e)
Sol. I: W>M (True)　　　II: T≤X (True)

S52. Ans.(c)
Sol. I: R<I(False)II: E≥O(False)

S53. Ans.(a)
Sol. I: D>Q(True)　　　II: Q<U(False)

S54. Ans.(c)
Sol. All statement except [c] are not in line with the issue mentioned in given statement.

Direction (55-59):
Final arrangement:

Years	Age	Persons
1999	22	I
2000	21	B
2002	19	C
2004	17	E
2005	16	A
2011	10	F
2012	9	G
2016	5	D
2018	3	H

Explanation:
Clues:

H is the youngest among all. The age of D is a multiple of 5.
Inference:

Here, we get two possibilities because D's age may be 5 or 10 years.

Years	Age	Persons Case 1	Persons Case 2
1999	22		
2000	21		
2002	19		
2004	17		
2005	16		
2011	10	D	
2012	9		
2016	5		D
2018	3	H	H

Clues:

The sum of the ages of F and G is 19 years.
Inference:

So, case 1 is cancelled here because their age will be 10 and 9 and 10 is occupied by D.

Years	Age	~~Persons Case 1~~	Persons Case 2
1999	22		
2000	21		
2002	19		

2004	17		
2005	16		
2011	10	~~D~~	F/G
2012	9		F/G
2016	5		D
2018	3	~~H~~	H

Clues:
The difference between the ages of A and C is 3 years. E and A are not the oldest. Two persons were born between E and G.
Inference:
So, E was born in 2017 and G was born in 2012.

| Years | Age | Persons |
		Case 2
1999	22	
2000	21	
2002	19	A/C
2004	17	E
2005	16	A/C
2011	10	F
2012	9	G
2016	5	D
2018	3	H

Clues:
The difference between the ages of B and C is 2 years.
Inference:
It means C's age is 19 years old and B's age is 21 years old.

| Years | Age | Persons |
		Case 2
1999	22	
2000	21	B
2002	19	C
2004	17	E
2005	16	A
2011	10	F
2012	9	G
2016	5	D
2018	3	H

Inference:
We know, I is one of the persons so the final arrangement:

Years	Age	Persons
1999	22	I
2000	21	B
2002	19	C
2004	17	E
2005	16	A
2011	10	F
2012	9	G
2016	5	D
2018	3	H

S55. Ans.(b)
Sol. Three persons were born between I and A.

S56. Ans.(d)
Sol. E is 17 years old.

S57. Ans.(c)
Sol. Except D, all of them are older than F.

S58. Ans.(a)
Sol. I was born in 1999.

S59. Ans.(e)
Sol. B's age – 21 and D's age -5
So, the required sum - 26

S60. Ans.(c)
Sol.