IBPS PO Pre 2023 (23rd September) Shift-Wise Previous Year Paper Mock 03

Q1. What is locally acquired malaria, as described in the passage?

Read the following passage carefully and answer the questions given below it. Certain words/phrases are given in bold to help you locate them while answering some of the questions.

Locally acquired malaria denotes cases where the disease presents in patients with no travel history, indicating that it has been acquired within their geographical area. According to the Centers for Disease Control and Prevention (CDC), although malaria does not occur in all warm climates, most cases are found in parts of Africa, Central and South America, the Caribbean, Oceania, and South, West, and Southeast Asia. A locally acquired case would mean that the mosquito transmitting the disease first bit a person carrying the malaria-causing parasite and then another person, thus transmitting the disease locally.

The CDC in an advisory issued on June 26 recommended that medical health professionals consider a malaria diagnosis for patients with fever of unknown origin, regardless of their travel history. The agency also said that patients suspected of having malaria should be urgently _____ in an appropriate medical facility.

According to the CDC, suspected or confirmed locally acquired malaria is a public health emergency. Malaria is a potentially fatal disease caused by a protozoan from the Plasmodium genus. This is usually transmitted through the bite of an Anopheles mosquito, and almost all cases of malaria in the U.S. are found in people who have a history of international travel. Locally acquired cases of malaria in the country are rare. In fact, Texas recorded its last locally acquired malaria case in 1994— before it resurfaced this year.

The parasite identified in locally acquired cases across Texas and Florida is Plasmodium vivax. Although not the worst among the types, P. vivax is the most common type of parasite that causes malaria in humans. Although most cases caused by this type are of comparatively lower intensity, it can still cause cerebral malaria, renal failure, acute respiratory distress, and shock in some patients.

According to Colin Carlson, a biologist studying the relationship between global climate change, biodiversity loss, and emerging infectious diseases, it is "somewhat likely" that climate change contributed to the presence of malaria cases in the U.S. However, Dr. Carlson also says that southern U.S. states meet the minimum conditions of a warm climate needed for malaria, even without climate change.

(a) Malaria cases acquired by mosquitoes that travel between different geographical areas.

(b) Malaria cases found in warm climates of Africa, Central and South America, the Caribbean, Oceania, and South, West, and Southeast Asia.

(c) Malaria cases where patients acquire the disease within their geographical area without any travel history.

(d) Malaria cases caused by the Plasmodium vivax parasite transmitted by mosquitoes.

(e) Malaria cases reported in Texas and Florida due to the presence of Anopheles mosquitoes.

Q2. Based on the passage, which of the following statements about malaria cases is true?

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(a) Malaria occurs in all warm climates around the world.
(b) Some regions of the world are more prone to malaria than others.
(c) Malaria is caused by a virus transmitted through mosquito bites.
(d) All cases of malaria in the U.S. are acquired locally.
(e) Malaria is a disease caused by a kind of bacterial infection.

Q3. What was the advisory issued by the CDC on June 26, 2023, concerning malaria diagnosis?

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(a) Medical health professionals should consider malaria diagnosis only for patients with a travel history.

(b) Malaria diagnosis is only recommended for patients with fever of any origin.

(c) Medical health professionals should avoid diagnosing malaria for patients with fever of unknown origin.

(d) Malaria diagnosis is only required for patients with a travel history to parts of Africa, Central and South America, the Caribbean, Oceania, and South, West, and Southeast Asia.

(e) Patients with fever of unknown origin should be evaluated urgently for malaria in any medical facility.

Q4. What are some potential health complications associated with P. vivax malaria?

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(a) Gastrointestinal disorders and chronic fatigue
(b) Acute respiratory distress and shock
(c) Meningitis and skin rashes
(d) Joint pain and muscle aches
(e) Pneumonia and liver damage

Q5. According to Colin Carlson, what is his view on the contribution of climate change to the presence of malaria cases in the U.S.?

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(a) Climate change is the sole reason for the presence of malaria cases in the U.S.

(b) Climate change has no influence on the presence of malaria cases in the U.S but exacerbates existing cases.

(c) Climate change is likely to have contributed to the presence of malaria cases in the U.S.

(d) Climate change is irrelevant as all U.S. states already meet the minimum conditions for malaria.

(e) Climate change will eliminate malaria cases from the U.S.

Q6. Which of the following statements is incorrect based on the information in the passage?

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(a) Malaria can be locally acquired within geographical areas without any travel history.
(b) Malaria is usually transmitted through the bite of an Anopheles mosquito.
(c) Locally acquired malaria cases are more common than cases acquired through international travel in the United States.
(d) Plasmodium vivax is the most common type of parasite that causes malaria in humans.
(e) Colin Carlson believes that climate change could have a slight impact on the presence of malaria cases in the U.S.

Q7. Which of the following is the most appropriate word to fill in the blank given in the passage?
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(a) interrogated
(b) fatal
(c) quarantine
(d) reimbursed
(e) evaluated

Q8. Which of the following is a synonym of the word "transmitting" as used in the passage?

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(a) transferring
(b) receiving
(c) preventing
(d) absorbing
(e) preserving

Q9. Which of the following is an antonym of the word "fatal" as used in the passage?

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(a) lethal
(b) harmless
(c) mortal
(d) deadly
(e) dangerous

Q10. . Which of the following is an antonym of the word "presence" as used in the passage?

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(a) absence
(b) existence
(c) appearance
(d) arrival
(e) residency

Q11. There was no indication(A)/ that a break-in had occurred (B)/other then the broken window (C)/ at the back of the house (D).
Each sentence is divided into four parts, in which one has error in it. Choose the incorrect part as your answer choice. If all the parts are grammatically correct, choose "No Error" as your answer choice.
(a) A
(b) B
(c) C
(d) D
(e) No Error

Q12. The company is looking for (A)/a new leadership that could (B)/motivate the staff and helps the (C)/ employees be more productive (D).
Each sentence is divided into four parts, in which one has error in it. Choose the incorrect part as your answer choice. If all the parts are grammatically correct, choose "No Error" as your answer choice.
(a) A
(b) B
(c) C
(d) D
(e) No Error

Q13. The department of transportation (A)/ has placed flashing signs (B)/on the roads to remind (C)/ drivers to slow down in the rain (D).
Each sentence is divided into four parts, in which one has error in it. Choose the incorrect part as your answer choice. If all the parts are grammatically correct, choose "No Error" as your answer choice.
(a) A
(b) B
(c) C
(d) D
(e) No Error

Q14. After failing the first (A)/ run at 30 seconds, the cadet (B)/ had to schedule a repeat tryout so (C)/ that he could meet the goal (D).
Each sentence is divided into four parts, in which one has error in it. Choose the incorrect part as your answer choice. If all the parts are grammatically correct, choose "No Error" as your answer choice.
(a) A
(b) B
(c) C
(d) D
(e) No Error

Q15. The old woman sitting (A)/in the park would occasionally (B)/scatter birdseed around her (C)/ to attracted the fowl in the area (D).
Each sentence is divided into four parts, in which one has error in it. Choose the incorrect part as your answer choice. If all the parts are grammatically correct, choose "No Error" as your answer choice.
(a) A
(b) B
(c) C
(d) D
(e) No Error

Q16. Which of the following words will fit in the given blank (A)?
In the following passage there are blanks, each of which has been denoted by letters. For each blank, five options are given. Choose the most appropriate word from the options that fits the blank appropriately.
Rockfish DNA may _____ (A) the secrets to a longer life, according to a study published on January 11 in Science Advances. Some rockfish species can live to be 200 years old, making them some of the longest-living animals on Earth. Researchers from Harvard Medical School _____ (B) nearly two dozen rockfish genomes, finding genes associated with increased _____ (C). These genes, the researchers found, are also correlated with increased human longevity, and could one day help researchers better understand or even prevent age-related diseases.
Study coauthor Stephen Treaster, a postdoc at Harvard, says "If we look at the diseases that modern society still _____ (D) from like cancer, heart disease, Alzheimer's. The greatest risk factor for these is not genetics or lifestyle. It's really just age," he says.
Treaster explains that rockfish are the perfect _____ (E) to study why some species live longer than others. While many animal models live short, uniform lifespans, closely related species of rockfish live anywhere from 10 to 200 years. This incredible _____ (F) in longevity came about in the span of just 8 million years—which is relatively quickly, evolutionarily speaking, he says. And a given species' longevity is not closely _____ (G) with other traits such as size, or with ecological variables—making it possible for researchers to isolate genes shared among long-lived rockfish lineages.

(a) pulled
(b) termed
(c) hold
(d) ripped
(e) justified

Q17. Which of the following words will fit in the given blank (B)?
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(a) carried on
(b) passed on
(c) let down
(d) got around
(e) combed through

Q18. Which of the following words will fit in the given blank (C)?
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(a) transiency
(b) longevity
(c) nascent
(d) indefinitely
(e) liberty

Q19. Which of the following words will fit in the given blank (D)?
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(a) penalizes
(b) suffers
(c) traumatizes
(d) frightens
(e) navigates

Q20. Which of the following words will fit in the given blank (E)?

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Rockfish DNA may _____ (A) the secrets to a longer life, according to a study published on January 11 in Science Advances. Some rockfish species can live to be 200 years old, making them some of the longest-living animals on Earth. Researchers from Harvard Medical School _____ (B) nearly two dozen rockfish genomes, finding genes associated with increased _____ (C). These genes, the researchers found, are also correlated with increased human longevity, and could one day help researchers better understand or even prevent age-related diseases.

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Treaster explains that rockfish are the perfect _____ (E) to study why some species live longer than others. While many animal models live short, uniform lifespans, closely related species of rockfish live anywhere from 10 to 200 years. This incredible _____ (F) in longevity came about in the span of just 8 million years—which is relatively quickly, evolutionarily speaking, he says. And a given species' longevity is not closely _____ (G) with other traits such as size, or with ecological variables—making it possible for researchers to isolate genes shared among long-lived rockfish lineages.

(a) inference
(b) tact
(c) reflection
(d) specimen
(e) counterfeit

Q21. Which of the following words will fit in the given blank (F)?

In the following passage there are blanks, each of which has been denoted by letters. For each blank, five options are given. Choose the most appropriate word from the options that fits the blank appropriately.

Rockfish DNA may _____ (A) the secrets to a longer life, according to a study published on January 11 in Science Advances. Some rockfish species can live to be 200 years old, making them some of the longest-living animals on Earth. Researchers from Harvard Medical School _____ (B) nearly two dozen rockfish genomes, finding genes associated with increased _____ (C). These genes, the researchers found, are also correlated with increased human longevity, and could one day help researchers better understand or even prevent age-related diseases.

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(a) turbulence
(b) paucity
(c) diversity
(d) homogeneity
(e) affinity

Q22. . Which of the following words will fit in the given blank (G)?

In the following passage there are blanks, each of which has been denoted by letters. For each blank, five options are given. Choose the most appropriate word from the options that fits the blank appropriately.

Rockfish DNA may _____ (A) the secrets to a longer life, according to a study published on January 11 in Science Advances. Some rockfish species can live to be 200 years old, making them some of the longest-living animals on Earth. Researchers from Harvard Medical School _____ (B) nearly two dozen rockfish genomes, finding genes associated with increased _____ (C). These genes, the researchers found, are also correlated with increased human longevity, and could one day help researchers better understand or even prevent age-related diseases.

Study coauthor Stephen Treaster, a postdoc at Harvard, says "If we look at the diseases that modern society still _____ (D) from like cancer, heart disease, Alzheimer's. The greatest risk factor for these is not genetics or lifestyle. It's really just age," he says.

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(a) contacted
(b) saturated
(c) crumbled
(d) assembled
(e) aligned

Q23. The government's boosting (A) on infrastructure development is crucial (B) for attracting (C) foreign investments and focus (D) economic growth.
In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should interchange with each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (e) as your choice.
(a) (A) – (C) and (B)-(D)
(b) (B) – (C) and (A)-(D)
(c) (A) – (D)
(d) (C) - (D) and (A)-(B)
(e) No interchange required

Q24. The footfall (A) in online shopping has led to a traditional (B) in surge (C) in decline (D) retail stores.
In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should interchange with each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (e) as your choice.
(a) (B) - (D) and (A)-(C)
(b) (B) – (C)
(c) (A) – (D) and (B)-(C)
(d) (A)-(C)
(e) No interchange required

Q25. The virus (A) of a deadly outbreak (B) has implement (C) health authorities to prompted (D) strict containment measures.
In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should interchange with each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (e) as your choice.
(a) (A) – (C) and (B)-(D)
(b) (D) – (C) and (A)-(B)
(c) (A) – (D)
(d) (C) - (D)
(e) No interchange required

Q26. The recent strain (A) of tourists to the coastal (B) town has put a/an influx (C) on the local (D) infrastructure.
In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should interchange with each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (e) as your choice.

(a) (B) - (D) and (A)-(C)
(b) (B) – (C)
(c) (A) – (D) and (B)-(C)
(d) (A)-(C)
(e) No interchange required

Q27. The discovery (A) of a new species has brought worldwide (B) among scientists excitement (C), highlighting (D) the importance of biodiversity.
In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should interchange with each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (e) as your choice.
(a) (C) - (D) and (A)-(B)
(b) (B) – (C)
(c) (A) – (D) and (B)-(C)
(d) (B) - (D) and (A)-(C)
(e) No interchange required

Q28. Acknowledge
(i) She was quick to acknowledge her mistake and apologize for any inconvenience it had caused.
(ii) The UPI facility will soon be acknowledge to feature phone users.
(iii) We can reduce air pollution only if we acknowledge it and work together to improve it.
A word has been given in each question and has been used in the sentences given below. Identify the statement(s) where the word has been used in a contextually and grammatically correct manner.
(a) Only (i)
(b) Only (i) and (iii)
(c) Only (iii)
(d) All of these
(e) Only (i) and (ii)

Q29. There are the _____ global growth forecasts brought on by a _____ in global trade.
In each sentence two words are omitted and replaced with blanks. Choose the pair of words from the given options that can fill the blanks in the same order without changing the intended meaning.
(a) surfaced, soar
(b) tremendous, diminish
(c) plummeted, decline
(d) plunged, spike
(e) rising, tumbled

Q30. The whole of Bhutan presents a _____ of lofty and rugged mountains abounding in picturesque and _____ scenery.
In each sentence two words are omitted and replaced with blanks. Choose the pair of words from the given options that can fill the blanks in the same order without changing the intended meaning.
(a) series, wicked
(b) succession, sublime
(c) presentation, grotesque
(d) glimpse, vile
(e) pile, sordid

Q31. Find the ratio of total items sold to females by B and E together to total items sold to males by C and D together?
The table shows the total number of items manufactured by five companies, the number of unsold items, and the ratio of items sold to males to females. Read the table given below and answer the questions given below.

Companies	Total number of items manufactured	Number of unsold items	Ratio of items sold to males to females (Males : Females)
A	750	350	4 : 1
B	600	200	5 :3
C	960	360	2 : 1
D	1200	500	3 : 4
E	800	300	3 : 7

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

Q32. Total items manufactured by F is 7/5th of total unsold items by D and total sold items by F are 20% more than that of by B. Find total unsold items by F are what percent more or less than total sold items to males by B?
The table shows the total number of items manufactured by five companies, the number of unsold items, and the ratio of items sold to males to females. Read the table given below and answer the questions given below.

Companies	Total number of items manufactured	Number of unsold items	Ratio of items sold to males to females (Males : Females)
A	750	350	4 : 1
B	600	200	5 :3
C	960	360	2 : 1
D	1200	500	3 : 4
E	800	300	3 : 7

(a) 12
(b) 15
(c) 10
(d) 16
(e) 18

Q33. Find the difference between total sold items to males by A & E together total items sold to females by C & D together?
The table shows the total number of items manufactured by five companies, the number of unsold items, and the ratio of items sold to males to females. Read the table given below and answer the questions given below.

Companies	Total number of items manufactured	Number of unsold items	Ratio of items sold to males to females (Males : Females)
A	750	350	4 : 1
B	600	200	5 :3
C	960	360	2 : 1
D	1200	500	3 : 4
E	800	300	3 : 7

(a) 110
(b) 90
(c) 130
(d) 70
(e) 170

Q34. If shop D sold each item to each male at Rs 50 and to each female at Rs 35, then find total amount (in Rs.) received by D by selling all items?
The table shows the total number of items manufactured by five companies, the number of unsold items, and the ratio of items sold to males to females. Read the table given below and answer the questions given below.

Companies	Total number of items manufactured	Number of unsold items	Ratio of items sold to males to females (Males : Females)
A	750	350	4 : 1
B	600	200	5 :3
C	960	360	2 : 1
D	1200	500	3 : 4
E	800	300	3 : 7

(a) 35000
(b) 33000
(c) 27000
(d) 31000
(e) 29000

Q35. Total sold item to male by X is 60% more that of by B and total items sold to females by X is 150% more than that of by A. If total unsold items of X are 5/6th of total sold items by C, then find total items manufactured by X?

The table shows the total number of items manufactured by five companies, the number of unsold items, and the ratio of items sold to males to females. Read the table given below and answer the questions given below.

Companies	Total number of items manufactured	Number of unsold items	Ratio of items sold to males to females (Males : Females)
A	750	350	4 : 1
B	600	200	5 :3
C	960	360	2 : 1
D	1200	500	3 : 4
E	800	300	3 : 7

(a) 900
(b) 1300
(c) 1200
(d) 1100
(e) 1000

Q36. 64% of 479- ? +175.01 = 349

What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

(a) 125
(b) 129
(c) 137
(d) 147
(e) 153

Q37. $(4.4)^{?} \times 2 = \frac{(15.92)^2}{\sqrt[4]{16.01}}$

What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

(a) 2
(b) 3
(c) 4
(d) 1
(e) 0

Q38. $3.99 \times (? + 119.88) = (7.99)^3$

What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

(a) 6
(b) 12
(c) 8
(d) 4
(e) 16

Q39. $\frac{(11.99)^2}{?} = 108.09 - 40.01\ \%\ \text{of}\ 249.99$

What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

(a) 12
(b) 8
(c) 15
(d) 18
(e) 24

Q40. $?\ \%\ \text{of}\ 1050 = (27.97)^2 - 363.99$

What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

(a) 60
(b) 35
(c) 50
(d) 40
(e) 30

Q41. $\sqrt{960.9} + \frac{251.9}{\sqrt{143.9}} + ?\ \%\ 350.1 = (1.99)^2 \times 69.01$

What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

(a) 58
(b) 32
(c) 64
(d) 74
(e) 86

Q42. Cost price of the article is 33 1/3% of the marked price and by selling the article it made a profit of 40%. Discount offered on the article is Rs. 640. Find the selling price of the article when 33 1/3% discount is given on that article.

(a) Rs. 800
(b) Rs. 700
(c) Rs. 1200
(d) Rs. 1600
(e) Rs. 1000

Q43. A vessel contains 64 liters mixture of milk and water having ratio 5: 3 respectively. If x liters of mixture removed and 10 liters of water is added in the remaining mixture, then the milk becomes 0% more than the water. Find the value of x.

(a) 40
(b) 16
(c) 32
(d) 24
(e) 48

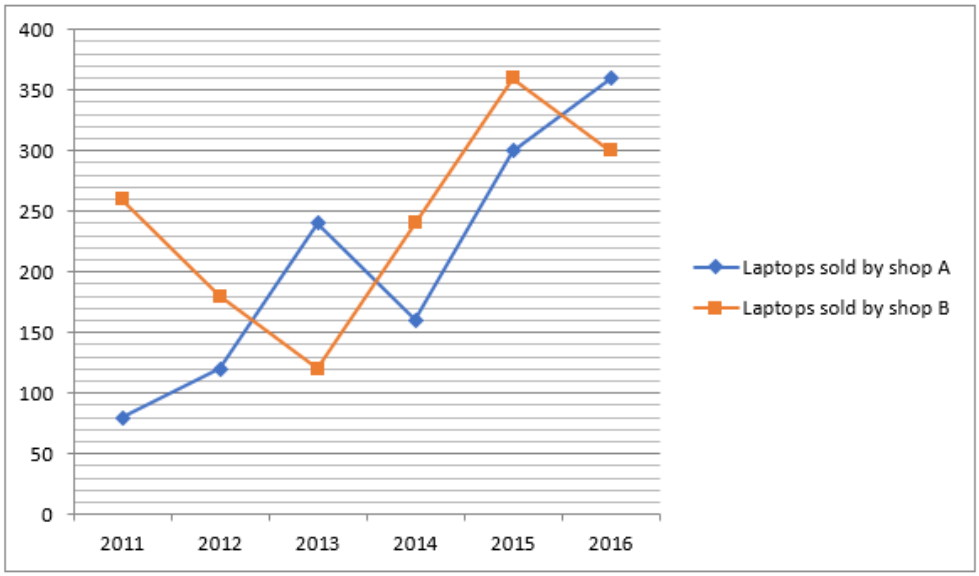
Q44. A and B entered into partnership by investing Rs. 8000 and Rs. (X+8000). If the investment period for A and B is 18 months and 9 months respectively, then the profit share of A Rs 16000 out of the total profit of Rs 36000. Find the value of X.

(a) 11000
(b) 14000
(c) 12000
(d) 10000
(e) 18000

Q45. In a school of 1800 students. On Monday only 4% of boys are absent and no girl is absent and on Tuesday 5% of the girls are absent but no boy is absent. If on both the days same number of students are present, then find the number of boys in the school.

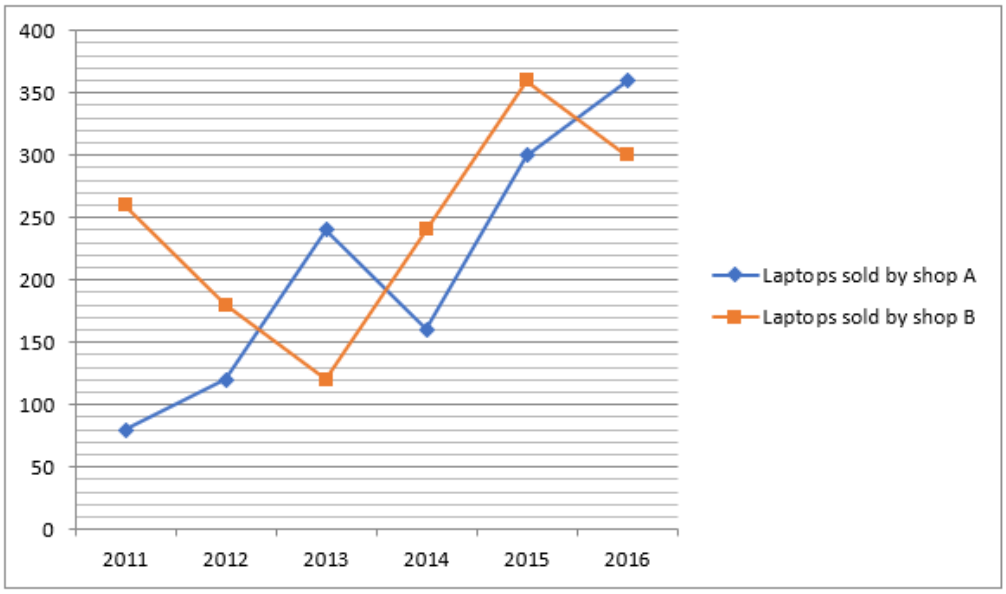
(a) 1200
(b) 500
(c) 1000
(d) 800
(e) None of these

Q46. Find the difference between the average number of laptops sold by A in year 2012, 2013 and 2015 together and the average number of laptops sold by B in years 2011 and 2013 together? The Line graph given below provides the information of laptops sold by two shops (A & B) in six different years. Read the information carefully and answer the following questions according to it.



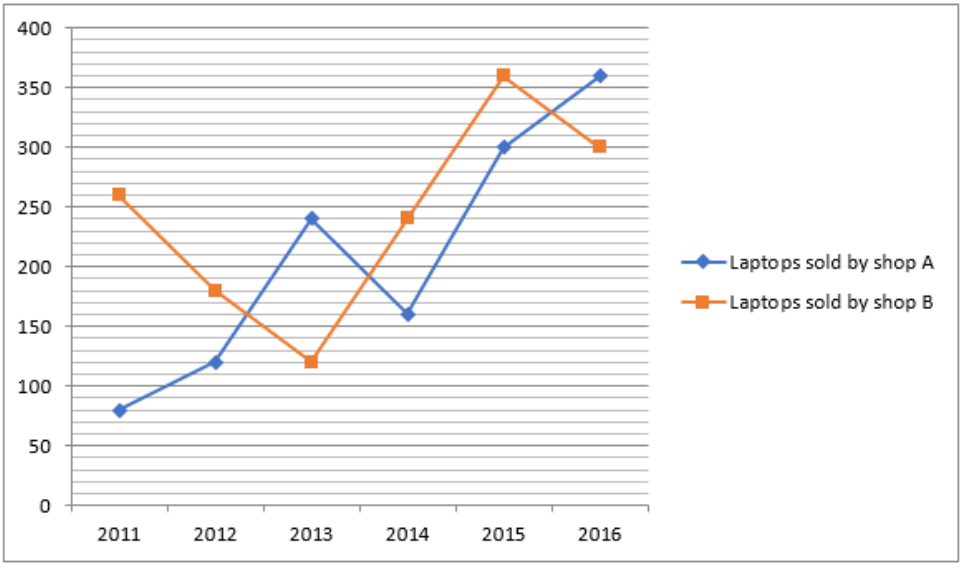
(a) 50
(b) 40
(c) 30
(d) 60
(e) 80

Q47. Find the ratio of the total laptops sold by shop A in 2014 and 2015 together to the total laptops sold by B in 2012 and 2013 together?
The Line graph given below provides the information of laptops sold by two shops (A & B) in six different years. Read the information carefully and answer the following questions according to it.



(a) 15:23
(b) 23: 15
(c) 15: 17
(d) 11: 23
(e) None of these

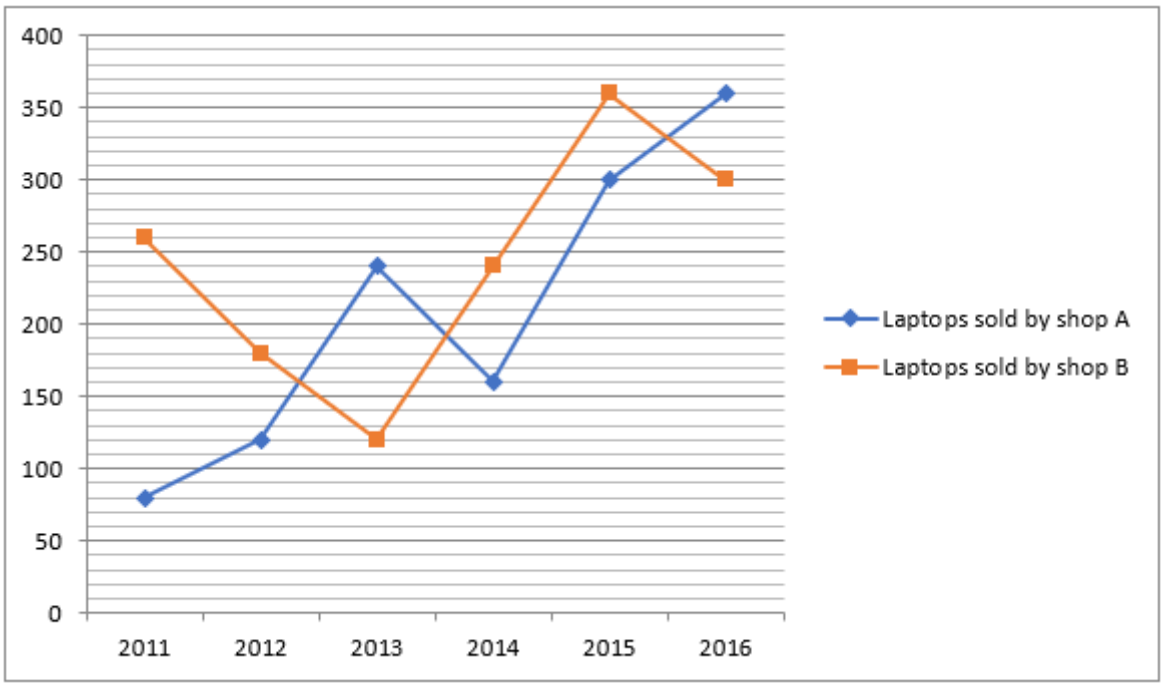
Q48. The average number of laptops sold by A in all the given years together is what percent more or less than the average number of laptops sold by B in 2014,2015 and 2016 together?
The Line graph given below provides the information of laptops sold by two shops (A & B) in six different years. Read the information carefully and answer the following questions according to it.



(a) 25 %
(b) 50 %
(c) 45 %
(d) 30 %
(e) 35 %

Q49. Total laptops sold by A in 2011,2012 and 2016 together is how much more or less than total laptops sold by B in 2011,2013 and 2014 together?

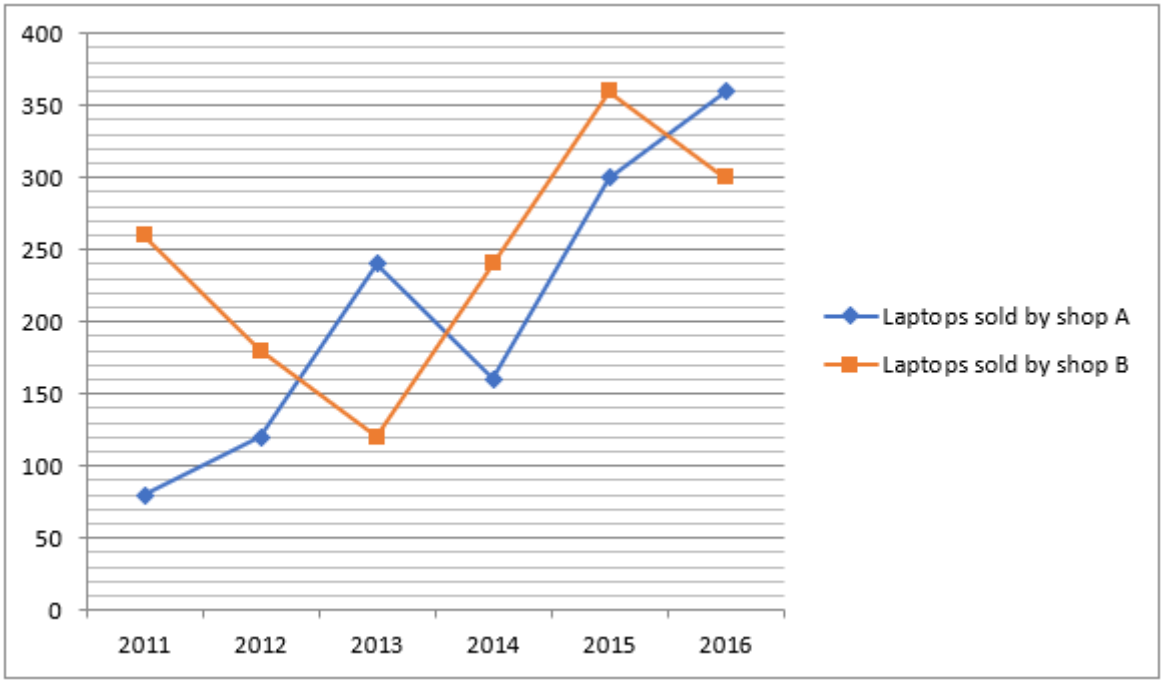
The Line graph given below provides the information of laptops sold by two shops (A & B) in six different years. Read the information carefully and answer the following questions according to it.



(a) 60
(b) 70
(c) 80
(d) 90
(e) 100

Q50. If in 2017, total laptops sold by A and B is increased by 10 % and 15% as compared to laptops sold by A and B in 2015 respectively, then find the total numbers of laptops sold by A and B together in 2017?

The Line graph given below provides the information of laptops sold by two shops (A & B) in six different years. Read the information carefully and answer the following questions according to it.



(a) 690
(b) 780
(c) 720
(d) 650
(e) 744

Q51. The total time taken by a boat to cover 30 km upstream and X km downstream in 13 hours. If the speed of the stream is 3 km/hr and the speed of the boat in still water is twice the speed of the stream, then find 'X' is what percent of 180.

(a) 9%
(b) 12%
(c) 15%
(d) 18%
(e) 21%

Q52. A can complete a work in 12 days, and B can complete the work in 24 days. C can destroy the work in 20 days. If A and B started the work together and after six days B left and C joined the work, then find in how many days the total work was completed.

(a) 7.5
(b) 9
(c) 13.5
(d) 15.5
(e) 11.5

Q53. The ratio of the present age of A and C together to that of B and D together is 17:15. If the sum of the present ages of B and C is 13 years and B is four years younger to A, who is 12 years old, then find the difference between the present age of D and the present age of A (in years).
(a) 7
(b) 2
(c) 5
(d) 8
(e) 4

Q54. Cards numbered from 1 to 33 kept in a bag. If a card selected at random, then find the probability that the number on the card is divisible by three.
(a) 2/3
(b) 1/3
(c) 4/11
(d) 3/11
(e) 5/11

Q55. In a class of 4B students, the average score in a mathematics test is 75. If the 10% of the students, based on their scores, are given an additional bonus of B marks each, then the new average score for the entire class becomes 76. Find the value of B.
(a) 10
(b) 12
(c) 15
(d) 20
(e) 25

Q56. If a train crosses a tree in 18 seconds and crosses a man running in same direction of train at the speed of 11 m/s in 40 seconds, then find the length of the train?
(a) 340 m
(b) 360 m
(c) 380 m
(d) 315 m
(e) 395 m

Q57. I. $3x^2 - 22x + 40 = 0$
II. $2y^2 - 17y + 36 = 0$
In the following question, two equations are given. Solve these equations, and answer the question given below.
(a) if x > y
(b) if x ≥ y
(c) if y > x
(d) if y ≥ x
(e) if x = y or no relation can be established

Q58. I. $5x^2 + 7x - 90 = 0$
II. $3y^2 + 28y + 64 = 0$
In the following question, two equations are given. Solve these equations, and answer the question given below.
(a) if x > y
(b) if x ≥ y
(c) if y > x
(d) if y ≥ x
(e) if x = y or no relation can be established

Q59. I. $x^2 - 14x + 48 = 0$
II. $2y^2 - 19y + 45 = 0$
In the following question, two equations are given. Solve these equations, and answer the question given below.
(a) if x > y
(b) if x ≥ y
(c) if y > x
(d) if y ≥ x
(e) if x = y or no relation can be established

Q60. I. $2x^2 + 13x + 20 = 0$
II. $3y^2 + 26y + 56 = 0$
In the following question, two equations are given. Solve these equations, and answer the question given below.
(a) if x > y
(b) if x ≥ y
(c) if y > x
(d) if y ≥ x
(e) if x = y or no relation can be established

Q61. I. $4x^2 - 16x + 15 = 0$
II. $6y^2 - 23y + 20 = 0$
In the following question, two equations are given. Solve these equations, and answer the question given below.
(a) if x > y
(b) if x ≥ y
(c) if y > x
(d) if y ≥ x
(e) if x = y or no relation can be established

Q62. What is the average number of players who play only one game?
Study the given passage carefully & answer the questions.
In a sport Academy, there are some students who can play three games i.e. tennis, cricket & chess. Total number of players who play tennis is 160 & all three games are played by 10% of total tennis players. Ratio of cricket to chess players is 3:5 and total of cricket & chess players together is 100% more than tennis players. Players who play both tennis and chess are 12 1/2% of total tennis players. Ratio of players who play both tennis & cricket to players who play both chess & cricket is 2:3 & the sum of the total players who play both tennis & cricket and players who play both chess & cricket is equal to one-fourth of chess players.
(a) 139 2/3
(b) 129 1/3
(c) 135
(d) 131 2/3
(e) 129 2/3

Q63. Players who play chess but not cricket is approximately what percent of total players?
Study the given passage carefully & answer the questions.
In a sport Academy, there are some students who can play three games i.e. tennis, cricket & chess. Total number of players who play tennis is 160 & all three games are played by 10% of total tennis players. Ratio of cricket to chess players is 3:5 and total of cricket & chess players together is 100% more than tennis players. Players who play both tennis and chess are 12 1/2% of total tennis players. Ratio of players who play both tennis & cricket to players who play both chess & cricket is 2:3 & the sum of the total players who play both tennis & cricket and players who play both chess & cricket is equal to one-fourth of chess players.
(a) 35%
(b) 45%
(c) 30%
(d) 40%
(e) 50%

Q64. What is ratio of players who play both tennis & chess to players who play only cricket?
Study the given passage carefully & answer the questions.
In a sport Academy, there are some students who can play three games i.e. tennis, cricket & chess. Total number of players who play tennis is 160 & all three games are played by 10% of total tennis players. Ratio of cricket to chess players is 3:5 and total of cricket & chess players together is 100% more than tennis players. Players who play both tennis and chess are 12 1/2% of total tennis players. Ratio of players who play both tennis & cricket to players who play both chess & cricket is 2:3 & the sum of the total players who play both tennis & cricket and players who play both chess & cricket is equal to one-fourth of chess players.
(a) 7 : 13
(b) 9 : 41
(c) 10 : 43
(d) 4 : 11
(e) 2 : 5

Q65. Players who play at least two games is approximately what percent of players who play at most two games?
Study the given passage carefully & answer the questions.
In a sport Academy, there are some students who can play three games i.e. tennis, cricket & chess. Total number of players who play tennis is 160 & all three games are played by 10% of total tennis players. Ratio of cricket to chess players is 3:5 and total of cricket & chess players together is 100% more than tennis players. Players who play both tennis and chess are 12 1/2% of total tennis players. Ratio of players who play both tennis & cricket to players who play both chess & cricket is 2:3 & the sum of the total players who play both tennis & cricket and players who play both chess & cricket is equal to one-fourth of chess players.
(a) 4%
(b) 6%
(c) 15%
(d) 12%
(e) 9%

Q66. In the word 'MANCHESTER', how many pairs of the letters have the same number of letters between them (both forward and backward direction) in the word as in the alphabet?
(a) Four
(b) Seven
(c) Eight
(d) Six
(e) More than eight

Q67. What is the code for the word "moon bird"?
Study the following information carefully and answer the given questions:
In a certain code language
"tree river mountain sky" is coded as "Two One Four Three"
"river bird fish moon" is coded as "Five Two Six Seven"
"sky star moon tree" is coded as " Seven One Four Zero"
"bird sun tree star" is coded as "Eight Six Zero One"
(a) Two Six
(b) Two Seven
(c) Six One
(d) Seven Six
(e) None of these

Q68. Which of the following pairs of words is incorrectly matched with its code?
Study the following information carefully and answer the given questions:
In a certain code language
"tree river mountain sky" is coded as "Two One Four Three"
"river bird fish moon" is coded as "Five Two Six Seven"
"sky star moon tree" is coded as " Seven One Four Zero"
"bird sun tree star" is coded as "Eight Six Zero One"

(a) mountain moon - Three Seven
(b) sky tree - Four One
(c) bird moon - Six Seven
(d) fish star - Six Zero
(e) All of the above

Q69. Which word is coded as "One"?
Study the following information carefully and answer the given questions:
In a certain code language
"tree river mountain sky" is coded as "Two One Four Three"
"river bird fish moon" is coded as "Five Two Six Seven"
"sky star moon tree" is coded as " Seven One Four Zero"
"bird sun tree star" is coded as "Eight Six Zero One"
(a) Bird
(b) Sun
(c) Tree
(d) Star
(e) Sky

Q70. What is the code for the word "sun"?
Study the following information carefully and answer the given questions:
In a certain code language
"tree river mountain sky" is coded as "Two One Four Three"
"river bird fish moon" is coded as "Five Two Six Seven"
"sky star moon tree" is coded as " Seven One Four Zero"
"bird sun tree star" is coded as "Eight Six Zero One"
(a) Seven
(b) Eight
(c) Five
(d) Six
(e) None of these

Q71. What may be the code for “lion bird star” in the given code language?
Study the following information carefully and answer the given questions:
In a certain code language
"tree river mountain sky" is coded as "Two One Four Three"
"river bird fish moon" is coded as "Five Two Six Seven"
"sky star moon tree" is coded as " Seven One Four Zero"
"bird sun tree star" is coded as "Eight Six Zero One"
(a) One Six Zero
(b) Ten Nine Six
(c) Nine Six Zero
(d) Five Eight Zero
(e) Two Six Zero

Q72. Who sits third to the right of V?
Study the following information carefully and answer the given questions:
Seven persons – T, U, V, W, X, Y and Z are sitting on a circular table but not necessarily in the same order. Some of them are facing inside and some of them are facing outside of the center.
T sits third to the right of Y. The direction of W is not same as T and V. Directions of V and X are not the same. The direction of T is not the same as Y. Y sits second to the left of Z. One person sits between Y and X. Direction of Z and X is not the same. V sits third to the left of U who is not an immediate neighbour of Y and X. U does not face outside.
(a) T
(b) U
(c) X
(d) W
(e) Z

Q73. In which direction Z is facing?
Study the following information carefully and answer the given questions:
Seven persons – T, U, V, W, X, Y and Z are sitting on a circular table but not necessarily in the same order. Some of them are facing inside and some of them are facing outside of the center.
T sits third to the right of Y. The direction of W is not same as T and V. Directions of V and X are not the same. The direction of T is not the same as Y. Y sits second to the left of Z. One person sits between Y and X. Direction of Z and X is not the same. V sits third to the left of U who is not an immediate neighbour of Y and X. U does not face outside.
(a) Inside
(b) Opposite direction to T
(c) Same direction as X
(d) Opposite direction to W
(e) Can't be determined

Q74. How many people sit between T and Z when counting left of Z?
Study the following information carefully and answer the given questions:
Seven persons – T, U, V, W, X, Y and Z are sitting on a circular table but not necessarily in the same order. Some of them are facing inside and some of them are facing outside of the center.
T sits third to the right of Y. The direction of W is not same as T and V. Directions of V and X are not the same. The direction of T is not the same as Y. Y sits second to the left of Z. One person sits between Y and X. Direction of Z and X is not the same. V sits third to the left of U who is not an immediate neighbour of Y and X. U does not face outside.
(a) One
(b) Two
(c) Three
(d) Four
(e) None

Q75. Who sits fourth to the left of X?

Study the following information carefully and answer the given questions:

Seven persons – T, U, V, W, X, Y and Z are sitting on a circular table but not necessarily in the same order. Some of them are facing inside and some of them are facing outside of the center.

T sits third to the right of Y. The direction of W is not same as T and V. Directions of V and X are not the same. The direction of T is not the same as Y. Y sits second to the left of Z. One person sits between Y and X. Direction of Z and X is not the same. V sits third to the left of U who is not an immediate neighbour of Y and X. U does not face outside.

(a) T

(b) U

(c) V

(d) Y

(e) Z

Q76. . Four of the following five are in the same group, who among the following does not belong to that group?

Study the following information carefully and answer the given questions:

Seven persons – T, U, V, W, X, Y and Z are sitting on a circular table but not necessarily in the same order. Some of them are facing inside and some of them are facing outside of the center.

T sits third to the right of Y. The direction of W is not same as T and V. Directions of V and X are not the same. The direction of T is not the same as Y. Y sits second to the left of Z. One person sits between Y and X. Direction of Z and X is not the same. V sits third to the left of U who is not an immediate neighbour of Y and X. U does not face outside.

(a) X

(b) T

(c) W

(d) Y

(e) U

Q77. If the second, fourth, fifth and ninth letters of the word "COORDINATOR" are combined to form a meaningful word, what will be the second letter from the right end of the word formed? If more than one such word can be formed, mark the answer as X and if no such word can be formed, mark the answer as Y.

(a) D

(b) X

(c) O

(d) T

(e) Y

Q78. Who likes black colour?

Study the following information carefully and answer the questions given below.

There are 8 persons – O, Q, R, S, T, W, X and Y (not necessarily in the same order) sitting in two different rows, named Row 1 and Row 2, facing each other. Row 1 is to the north of Row 2. Four persons sit in each row. They all like different types of colours.

T likes yellow colour and no one sits to the right of T. The one who faces T sits two persons away from one who like Blue colour. The one who likes Blue is the only neighbour of X who likes pink colour. R sits diagonally opposite to W who does not sit in row 1. O faces Y who likes Violet but O does not like Blue. Y and T do not sit on the same row. S likes white colour. R and O do not like Red. R does not like Green. One person likes Black. The one who likes Red and the one who likes violet is not an immediate neighbours.

(a) Q

(b) R

(c) Either Q or T

(d) None of these

(e) O

Q79. Who is the only neighbour of the person who likes Yellow colour?

Study the following information carefully and answer the questions given below.

There are 8 persons – O, Q, R, S, T, W, X and Y (not necessarily in the same order) sitting in two different rows, named Row 1 and Row 2, facing each other. Row 1 is to the north of Row 2. Four persons sit in each row. They all like different types of colours.

T likes yellow colour and no one sits to the right of T. The one who faces T sits two persons away from one who like Blue colour. The one who likes Blue is the only neighbour of X who likes pink colour. R sits diagonally opposite to W who does not sit in row 1. O faces Y who likes Violet but O does not like Blue. Y and T do not sit on the same row. S likes white colour. R and O do not like Red. R does not like Green. One person likes Black. The one who likes Red and the one who likes violet is not an immediate neighbours.

(a) Q

(b) R

(c) S

(d) O

(e) W

Q80. Four of the following five are in the same group, who among the following does not belong to that group?

Study the following information carefully and answer the questions given below.

There are 8 persons – O, Q, R, S, T, W, X and Y (not necessarily in the same order) sitting in two different rows, named Row 1 and Row 2, facing each other. Row 1 is to the north of Row 2. Four persons sit in each row. They all like different types of colours.

T likes yellow colour and no one sits to the right of T. The one who faces T sits two persons away from one who like Blue colour. The one who likes Blue is the only neighbour of X who likes pink colour. R sits diagonally opposite to W who does not sit in row 1. O faces Y who likes Violet but O does not like Blue. Y and T do not sit on the same row. S likes white colour. R and O do not like Red. R does not like Green. One person likes Black. The one who likes Red and the one who likes violet is not an immediate neighbours.

(a) X
(b) R
(c) W
(d) T
(e) S

Q81. Who among the following person does not sit in Row 1?

Study the following information carefully and answer the questions given below.

There are 8 persons – O, Q, R, S, T, W, X and Y (not necessarily in the same order) sitting in two different rows, named Row 1 and Row 2, facing each other. Row 1 is to the north of Row 2. Four persons sit in each row. They all like different types of colours.

T likes yellow colour and no one sits to the right of T. The one who faces T sits two persons away from one who like Blue colour. The one who likes Blue is the only neighbour of X who likes pink colour. R sits diagonally opposite to W who does not sit in row 1. O faces Y who likes Violet but O does not like Blue. Y and T do not sit on the same row. S likes white colour. R and O do not like Red. R does not like Green. One person likes Black. The one who likes Red and the one who likes violet is not an immediate neighbours.

(a) Q
(b) R
(c) S
(d) Y
(e) X

Q82. . Which of the following pairs are immediate neighbours?

Study the following information carefully and answer the questions given below.

There are 8 persons – O, Q, R, S, T, W, X and Y (not necessarily in the same order) sitting in two different rows, named Row 1 and Row 2, facing each other. Row 1 is to the north of Row 2. Four persons sit in each row. They all like different types of colours.

T likes yellow colour and no one sits to the right of T. The one who faces T sits two persons away from one who like Blue colour. The one who likes Blue is the only neighbour of X who likes pink colour. R sits diagonally opposite to W who does not sit in row 1. O faces Y who likes Violet but O does not like Blue. Y and T do not sit on the same row. S likes white colour. R and O do not like Red. R does not like Green. One person likes Black. The one who likes Red and the one who likes violet is not an immediate neighbours.

(a) The one who likes Red and the one who likes Blue
(b) The one who likes White and the one who likes Violet
(c) The one who likes Green and the one who likes Black
(d) The one who likes Pink and the one who likes Blue
(e) The one who likes Violet and the one who likes Yellow

Q83. In the word 'DEVELOPMENT' how many pairs of the letters have the same number of letters between them (both forward and backward direction) in the word as in the alphabet?
(a) Four
(b) Two
(c) One
(d) Three
(e) More than four

Q84. In a certain code "VIRAT" is coded as "FYHQD" and "GOAT" is coded as "FYKS", then what will be the code for the word "PANT"?
(a) FLYD
(b) FCYJ
(c) FLZJ
(d) FLYJ
(e) None of these

Q85. If in the number "2974237649", positions of the first and the second digits are interchanged, positions of the third and fourth digits are interchanged and so on till the positions of 9th and 10th digits are interchanged, then which digit will be 8th from the right end?
(a) 9
(b) 2
(c) 4
(d) 7
(e) None of these

Q86. In which month was W born?
Study the following information carefully and answer the questions given below.
Six persons A, E, I, O, U and W were born in six different months –January, February, March, April, May and June but not necessarily in the same order. They all belong to six different cities- New York, London, New Delhi, Moscow, Paris and Mumbai.
O was born in a month having less than 31 days but not in June. Two persons were born between O and I. The one who was born just after I is from Moscow. Three persons were born between the one who is from Moscow and the one who is from Mumbai. The one who is from Mumbai is born just after A. W was born immediately before U. One person was born in between A and the one who is from Paris. Neither A nor I is from New York. The one who is from London was not born in January. I is not from New Delhi.
(a) January
(b) February
(c) March
(d) April
(e) May

Q87. Who is from Moscow?

Study the following information carefully and answer the questions given below.

Six persons A, E, I, O, U and W were born in six different months –January, February, March, April, May and June but not necessarily in the same order. They all belong to six different cities- New York, London, New Delhi, Moscow, Paris and Mumbai.

O was born in a month having less than 31 days but not in June. Two persons were born between O and I. The one who was born just after I is from Moscow. Three persons were born between the one who is from Moscow and the one who is from Mumbai. The one who is from Mumbai is born just after A. W was born immediately before U. One person was born in between A and the one who is from Paris. Neither A nor I is from New York. The one who is from London was not born in January. I is not from New Delhi.

(a) A

(b) E

(c) I

(d) O

(e) U

Q88. Who was born immediately before U?

Study the following information carefully and answer the questions given below.

Six persons A, E, I, O, U and W were born in six different months –January, February, March, April, May and June but not necessarily in the same order. They all belong to six different cities- New York, London, New Delhi, Moscow, Paris and Mumbai.

O was born in a month having less than 31 days but not in June. Two persons were born between O and I. The one who was born just after I is from Moscow. Three persons were born between the one who is from Moscow and the one who is from Mumbai. The one who is from Mumbai is born just after A. W was born immediately before U. One person was born in between A and the one who is from Paris. Neither A nor I is from New York. The one who is from London was not born in January. I is not from New Delhi.

(a) A

(b) The One who is from New Delhi

(c) I

(d) O

(e) The One who is from Paris

Q89. How many persons were born between the one who is from New Delhi and the one who is from London?

Study the following information carefully and answer the questions given below.

Six persons A, E, I, O, U and W were born in six different months –January, February, March, April, May and June but not necessarily in the same order. They all belong to six different cities- New York, London, New Delhi, Moscow, Paris and Mumbai.

O was born in a month having less than 31 days but not in June. Two persons were born between O and I. The one who was born just after I is from Moscow. Three persons were born between the one who is from Moscow and the one who is from Mumbai. The one who is from Mumbai is born just after A. W was born immediately before U. One person was born in between A and the one who is from Paris. Neither A nor I is from New York. The one who is from London was not born in January. I is not from New Delhi.

(a) One
(b) Two
(c) Three
(d) Four
(e) Five

Q90. . As many persons were born after U is same as many before ___.
Study the following information carefully and answer the questions given below.
Six persons A, E, I, O, U and W were born in six different months –January, February, March, April, May and June but not necessarily in the same order. They all belong to six different cities- New York, London, New Delhi, Moscow, Paris and Mumbai.
O was born in a month having less than 31 days but not in June. Two persons were born between O and I. The one who was born just after I is from Moscow. Three persons were born between the one who is from Moscow and the one who is from Mumbai. The one who is from Mumbai is born just after A. W was born immediately before U. One person was born in between A and the one who is from Paris. Neither A nor I is from New York. The one who is from London was not born in January. I is not from New Delhi.

(a) A
(b) E
(c) I
(d) O
(e) W

Q91. If the first and third letters of the word 'GAMES', second letter of the word 'TONE', and first letter of the word 'FIRE' are taken together. Find the second letter of the meaningful word (starting with "G" only) formed by using these letters only once. If more than one such word is formed, mark X as your answer.

(a) F
(b) O
(c) M
(d) X
(e) No such word form

Q92. Who is the shortest among the following persons?
Study the following information carefully and answer the questions given below.
Eight persons are comparing their height. S's height is more than V but less than U. T's height is more than W whose height is less than V. At least two person's height is less than W. T's height is not more than S. Height of Z is 184 cm. Height of U is 178 cm. Height of X is more than that of Y. More than one person's height is between T and X.

(a) V
(b) W
(c) Y
(d) S
(e) Cannot be determined

Q93. Which of the following statements is true?
Study the following information carefully and answer the questions given below.
Eight persons are comparing their height. S's height is more than V but less than U. T's height is more than W whose height is less than V. At least two person's height is less than W. T's height is not more than S. Height of Z is 184 cm. Height of U is 178 cm. Height of X is more than that of Y. More than one person's height is between T and X.
(a) Height of S is more than 178 cm
(b) More than two persons height is between T and Z
(c) Height of T is more than X and W only
(d) Two person's height is between V and Y
(e) None is true

Q94. . If the sum of heights of U and W is 350 cm, what is the height of W?
Study the following information carefully and answer the questions given below.
Eight persons are comparing their height. S's height is more than V but less than U. T's height is more than W whose height is less than V. At least two person's height is less than W. T's height is not more than S. Height of Z is 184 cm. Height of U is 178 cm. Height of X is more than that of Y. More than one person's height is between T and X.
(a) 168 cm
(b) 172 cm
(c) 180 cm
(d) 176 cm
(e) Cannot be determined

Q95. In the number '3615763926', if first half digits are added by 2 and second half digits are subtracted by 1. Then, what will be the sum of all the even digits of the new number formed after rearrangement?
(a) 20
(b) 24
(c) 18
(d) 16
(e) None of these

Q96. Who was born immediately before Q?
Study the following information carefully and answer the questions given below.
Eight people Q, R, S, T, U, V, W and X were born in eight different years but not necessarily in the same order. Their age is calculated from 2022 and they were born in 1981, 1982, 1984, 1986, 1990, 1992, 1994, and 1996 but not necessarily in the same order.

The age of U is more than the age of W who was born before 1990. Two persons were born between R and V. U was not born immediately before W. R was born immediately after U. As may persons were born before X is same as many persons were born after T who was born before X. Q was born immediately before S.

(a) X
(b) R
(c) S
(d) T
(e) V

Q97. How many people were born between U and Q?

Study the following information carefully and answer the questions given below.

Eight people Q, R, S, T, U, V, W and X were born in eight different years but not necessarily in the same order. Their age is calculated from 2022 and they were born in 1981, 1982, 1984, 1986, 1990, 1992, 1994, and 1996 but not necessarily in the same order.

The age of U is more than the age of W who was born before 1990. Two persons were born between R and V. U was not born immediately before W. R was born immediately after U. As may persons were born before X is same as many persons were born after T who was born before X. Q was born immediately before S.

(a) None
(b) One
(c) Five
(d) Three
(e) Four

Q98. Which of the following statements is true?

Study the following information carefully and answer the questions given below.

Eight people Q, R, S, T, U, V, W and X were born in eight different years but not necessarily in the same order. Their age is calculated from 2022 and they were born in 1981, 1982, 1984, 1986, 1990, 1992, 1994, and 1996 but not necessarily in the same order.

The age of U is more than the age of W who was born before 1990. Two persons were born between R and V. U was not born immediately before W. R was born immediately after U. As may persons were born before X is same as many persons were born after T who was born before X. Q was born immediately before S.

(a) T was born immediately before V
(b) V was born two years after U
(c) T was born after 1990
(d) Q was born before 1994
(e) W was born immediately before V

Q99. In which year V was born?
Study the following information carefully and answer the questions given below.
Eight people Q, R, S, T, U, V, W and X were born in eight different years but not necessarily in the same order. Their age is calculated from 2022 and they were born in 1981, 1982, 1984, 1986, 1990, 1992, 1994, and 1996 but not necessarily in the same order.
The age of U is more than the age of W who was born before 1990. Two persons were born between R and V. U was not born immediately before W. R was born immediately after U. As may persons were born before X is same as many persons were born after T who was born before X. Q was born immediately before S.
(a) 1981
(b) 1982
(c) 1984
(d) 1990
(e) 1992

Q100. Four of the following five are in the same group, who among the following does not belong to that group?
Study the following information carefully and answer the questions given below.
Eight people Q, R, S, T, U, V, W and X were born in eight different years but not necessarily in the same order. Their age is calculated from 2022 and they were born in 1981, 1982, 1984, 1986, 1990, 1992, 1994, and 1996 but not necessarily in the same order.
The age of U is more than the age of W who was born before 1990. Two persons were born between R and V. U was not born immediately before W. R was born immediately after U. As may persons were born before X is same as many persons were born after T who was born before X. Q was born immediately before S.
(a) Q
(b) U
(c) R
(d) T
(e) X

Solutions

S1. Ans.(c)	**S11. Ans.(c)**	**S21. Ans.(c)**	**S31. Ans.(d)**
S2. Ans.(b)	**S12. Ans.(c)**	**S22. Ans.(e)**	**S32. Ans.(a)**
S3. Ans.(e)	**S13. Ans.(e)**	**S23. Ans.(c)**	**S33. Ans.(c)**
S4. Ans.(b)	**S14. Ans.(b)**	**S24. Ans.(a)**	**S34. Ans.(e)**
S5. Ans.(c)	**S15. Ans.(d)**	**S25. Ans.(b)**	**S35. Ans.(d)**
S6. Ans.(c)	**S16. Ans.(c)**	**S26. Ans.(d)**	**S36. Ans.(c)**
S7. Ans.(e)	**S17. Ans.(e)**	**S27. Ans.(b)**	**S37. Ans.(b)**
S8. Ans.(a)	**S18. Ans.(b)**	**S28. Ans.(b)**	**S38. Ans.(c)**
S9. Ans.(b)	**S19. Ans.(b)**	**S29. Ans.(c)**	**S39. Ans.(d)**
S10. Ans.(a)	**S20. Ans.(d)**	**S30. Ans.(b)**	**S40. Ans.(d)**

S41. Ans.(c)
S42. Ans.(a)
S43. Ans.(d)
S44. Ans.(c)
S45. Ans.(c)
S46. Ans.(c)
S47. Ans.(b)
S48. Ans.(d)
S49. Ans.(a)
S50. Ans.(e)
S51. Ans.(c)
S52. Ans.(c)
S53. Ans.(c)
S54. Ans.(b)
S55. Ans.(a)
S56. Ans.(b)
S57. Ans.(d)
S58. Ans.(e)
S59. Ans.(a)
S60. Ans.(b)
S61. Ans.(e)
S62. Ans.(b)
S63. Ans.(d)
S64. Ans.(c)
S65. Ans.(e)
S66. Ans.(c)
S67. Ans.(d)
S68. Ans.(d)
S69. Ans.(c)
S70. Ans.(b)
S71. Ans.(c)
S72. Ans.(e)
S73. Ans.(d)
S74. Ans.(d)
S75. Ans.(e)
S76. Ans.(b)
S77. Ans.(e)
S78. Ans.(b)
S79. Ans.(d)
S80. Ans.(e)
S81. Ans.(c)
S82. Ans.(d)
S83. Ans.(e)
S84. Ans.(d)
S85. Ans.(c)
S86. Ans.(c)
S87. Ans.(b)
S88. Ans.(e)
S89. Ans.(c)
S90. Ans.(e)
S91. Ans.(e)
S92. Ans.(c)
S93. Ans.(d)
S94. Ans.(b)
S95. Ans.(c)
S96. Ans.(a)
S97. Ans.(c)
S98. Ans.(e)
S99. Ans.(d)
S100. Ans.(b)