IBPS Clerk Prelims 2020 60 Important Questions PDF

Direction: What should come in place of the question mark '?' in the following question?

1. 900% of 5 ÷ 300% of 2.5 = $?^2 + 2$

A. 2   B. 4
C. 6   D. 8
E. 3

Direction: What should come in place of question mark (?) in the following question?

2. $\dfrac{\sqrt{1521} - (56 \div 8) + \sqrt{1849}}{\sqrt{784} - 13 \times 3 + (234 \div 9)} = ?$

A. 2   B. 3
C. 7   D. 6
E. 5

Direction: What will come in place of question mark (?) in the following question?

3. 30% of ? = 54

A. 160   B. 145
C. 170   D. 180
E. None of these

Direction: What value should come in place of question mark (?) in the following question?

4. $4^2 - 5^2 + 6^2 = ?$

A. 27   B. 37
C. 40   D. 46
E. None of these

Direction: What should come in place of question mark (?) in the following questions?

5. $8\dfrac{3}{13} + 1\dfrac{11}{13} + 7\dfrac{12}{13} + 5\dfrac{7}{13} = ? + 4\dfrac{7}{13}$

A. 16   B. 14
C. 19   D. 18
E. 17

Direction: Study the table carefully and solve the following questions.

In the table, data regarding the number of students who participated in a quiz and the ratio of the number of students who participated in quiz to that who did not participate in quiz of colleges - M, N, O and P is given.

Colleges	Number of students who participated in quiz	Number of students who participated in quiz to that who did not participated in quiz
M	240	6 : 7
N	320	4 : 5
O	225	5 : 6
P	350	7 : 9

Note: Total number of students in the college = Number of students who participated in the quiz + Number of students who did not participated in the quiz.

6. What is the total number of students in college O?

A. 550   B. 495
C. 475   D. 575
E. None of these

7. What is the difference between the number of students who did not participated in quiz of college N and P?

A. 50   B. 70
C. 90   D. 40
E. 60

8. What is the ratio of the number of students who did not participate in quiz from college M to the number of students participating in quiz from college P?

A. 4 : 7   B. 1 : 1
C. 24 : 35   D. 4 : 5
E. None of these

9. The number of students who participated in quiz from college N is what percent of the total number of students in college P?

A. 45%   B. 30%
C. 40%   D. 25%
E. 50%

10. The number of girls in college N is 300 and the number of girls who participated in quiz is 180, what is the number of boys who do not participated in the quiz?
A. 140   B. 160
C. 120   D. 100
E. 280

11. Out of the total students of college P, the ratio of the number of boys to girls is 5 : 3, what is the number of girls in college P?
A. 250   B. 450
C. 400   D. 300
E. 500

Direction: What will come in place of the question mark (?) in the following number series?
12. 116, 194, 262, 315, 348, ?
A. 356   B. 364
C. 372   D. 354
E. None of these

Direction: What should come in place of the question mark (?) in the following number series?
13. 7, 11, 23, 51, 103, ?
A. 186   B. 188
C. 185   D. 187
E. None of these

Direction: What should come in place of question mark (?) in the following number series?
14. 3, 8, 24, 48, 120, ?
A. 168   B. 224
C. 161   D. 215
E. None of these

Direction: What will come in place of the question mark (?) in the following number series?
15. 32, 49, 83, 151, 287, 559, ?
A. 1118   B. 979
C. 1103   D. 1120
E. 890

Direction: what should come in place of the question mark (?) in the following number series?
16. 32, 16, 16, 24, 48, ?
A. 130   B. 116
C. 120   D. 132
E. None of these

17. The difference between the compound interest and the simple interest accrued on an amount of Rs.24000 in 2 years was Rs.60, then what was the rate of interest per annum?
A. 4.50%   B. 5.25%
C. 6%   D. 5%
E. None of these

18. A and B start a business. The ratio of their investments is 5 : 4. A left the business after 9 months while B stayed the whole year. If the difference of the profits earned by them is Rs. 5700, what is the total profit earned by them?
A. Rs. 1,86,000   B. Rs. 1,81,350
C. Rs. 1,76,700   D. Rs. 1,67,400
E. None of these

19. 3 men and 4 women finish 25% of work in 4 days while 8 men and 15 women can finish the whole work in 5 days, then in how many days will 13 women will finish the work?
A. 16 days   B. 24 days
C. 36 days   D. 48 days
E. None of these

20. The average speed of Raj is 4/5 times the average speed of Ram. Mohan covers 900 km in 15 hours. How much distance will the Raj cover in 4 hours, if the average speed of the Ram is twice the speed of the Mohan?

A. 480 km   B. 384 km
C. 375 km   D. 350 km
E. None of these

Direction: Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of these.

It would be wonderful if the growing protests against class, ethnic and gender discrimination are the start of a transition to a radically better society. But that means recognising that inequality and social hierarchy are fundamental to division and discrimination. The prejudices **wax and wane** with differences in income, wealth and power.

Following his election victory, John Major said he wanted to create a classless society; he failed because he did nothing about inequality. In contrast, Per Albin Hansson, a former Swedish prime minister, made a similar commitment but was partially successful because he and his successors did reduce income differences.

As research shows, bigger economic differences make class and status more important. **Underpinning** intolerance and prejudice, they not only become the measure of a person's worth, they also weaken community life, reduce child wellbeing and make equal opportunities an ever more distant prospect. At the same time, violence increases and health suffers. But reduce inequality and all these outcomes improve.

The Institute for Fiscal Studies report showing that ethnic minorities are under-represented among economists at leading universities misses a chance to focus more on the gender/ethnicity/social class **nexus** of under-representation that Rethinking Economics has uncovered for our forthcoming book on the need to democratise economics.

In 2018-19, 41% of UK undergraduates in economics at Russell Group universities came from the highest-earning households, while they only represented 15% of the population (according to the Office for National Statistics). Students from the poorest households accounted for about 2% of these undergraduates but made up 6% of the population.

Let's highlight the interweaving barriers of sexism, racism and elitism which mean that poorer people, particularly those who are black Caribbean, Pakistani, Bangladeshi, and women, are severely under-represented among economists.

21. What would lead to the recognition of inequality and social hierarchy a reason behind discrimination and division?

I. A transition to a better society via protests against class, ethnic and gender discrimination
II. Constant protests against inequality in society at different levels
III. Bringing together people from all walks of life to stand against discrimination

A. Only I   B. Only II
C. Only III   D. All of the above
E. None of the above

22.What message does the author try to convey through John Major and Per Albin Hansson as mentioned in the passage?

I. Discrimination is the only cause behind gaps at different levels in a society

II. A classless society can only be created through a reduction in inequality

III. Inequality should be eradicated as soon as possible for a better future

A. Only I   B. Only II

C. Only III   D. Both I and II

E. All of the above

23.How big economic differences make class and status affect a society as a whole?

A. They become a measure of a person's worth and weaken community life

B. Reduce child wellbeing and diminish equal opportunities

C. Health suffers and violence increases

D. They underpin intolerance and prejudice

E. All of the above

24.According to the passage, what is being missed out by the Fiscal Studies report showing under-representation of ethnic minorities?

A. The need to democratize economics

B. Social class, gender and ethnicity aspect of under-representation

C. Eradication of inequality for a better society

D. Reinvent the idea of determining level of discrimination

E. All of the above

25.Which of the following sentences depict the correct usage of the phrase "wax and wane", as highlighted in the passage?

A. Interviewers may take on the role of wax and wane simply to see how effectively you can support your idea in the face of opposition.

B. Tony's motorcycle accident was wax and wane, because he got enough insurance money from the other driver to make a down payment on a house.

C. My fortune has waxed and waned over the years, but I live simply anyway, and it has never affected me much.

D. The political candidate knew the issue was a wax and wane, so he deferred to his chief of staff, who directed questions to the committee chairperson.

E. None of the above

26.What does the author mean by the emboldened fragment of the passage: "**highlighting the interweaving barriers of sexism, racism and elitism**"?

A. The inequality in terms of class, caste and creed is the main focus of economists

B. The inter-connected barriers at different levels need to be addressed immediately

C. Poorer people are severely under-represented among economists

D. Economists severely under-represent the ongoing inequality in our society

E. None of these

27. Which of the following is most similar in meaning with **NEXUS** as highlighted in the passage?
A. Actuate   B. Surly
C. Connection   D. Convalesce
E. Demoralize

28. Which of the following is most opposite to the word '**UNDERPIN'** as highlighted in the passage?
A. Devolve   B. Alacrity
C. Waive   D. Unwonted
E. Hinder

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.
29. The need to effectively address (1)/ air pollution from traffic primary (2)/ and woodburning has never been (3)/ so urgent than it is now. (4)
A. 1   B. 2
C. 3   D. 4
E. No error

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.
30. Cattle is fed grains (1)/ because they are nutritious, (2)/ energy-rich, and can be stored (3)/ easily for later use. (4)
A. 1   B. 2
C. 3   D. 4
E. No error

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.
31. He witnessed (1)/ a car accident (2)/ and stopped (3)/ to rendering aid. (4)
A. 1   B. 2
C. 3   D. 4
E. No error

Direction: A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.
32. Vijay _____ in the darkness looking for the light switch, but when he finally found it there was someone already there.
A. reigned   B. fumbled
C. clustered   D. greased
E. removed

Direction: A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.
33. Although it wasn't a pot of gold, Nancy was still _____ at what she found at the end of the rainbow.
A. Abjured   B. Allowed
C. Closed   D. Enthralled
E. Investigated

Direction: A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.

34. The US President made a firm _____ about support from India, which could be controversial in the long run.
A. Assertion   B. Aberration
C. Accretion   D. Alias
E. Anathema

Direction: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, your answer will be option (E), i.e., "No correction required".

35. The military in West Africa's biggest oil-producing nation said it **has prepared to** act decisively to help the government maintain law and order.
A. was prepared to
B. has been preparing for
C. was prepared for
D. has preparation for
E. No correction required

36. The fundraiser and incredible kindness from her community is yet another moment she didn't see coming, but one that **will be appreciate** for a lifetime.
A. will appreciated
B. was appreciated
C. were appreciating
D. will be appreciated
E. No correction required

37. The CM also asked the departments **for details of that** the medical staff is kept motivated and all vacancies are filled up immediately.
A. to ensure that
B. to assured that
C. to claimed that
D. to detailed that
E. No correction required

Direction: In the given questions, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement.

38.
A) bigger and more intense fires across the American West
B) climate change has inexorably stacked
C) science has incontrovertibly shown
D) the deck in favor of
E) over the past few decades,
A. ACBDE   B. ABCDE
C. ACEDB   D. BDAEC
E. CEBAD

Direction: In the given questions, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement.

39.
A) allowing gatherings to take place
B) even as concerns grew
C) for being slow to acknowledge the outbreak,
D) China has come under fire
E) and punishing doctors for warning others
A. ABCDE   B. CDABE
C. DCABE   D. DBCEA
E. AEBCD

Direction: In the following question, a sentence with four words printed in bold is given. These words are numbered as (1), (2), (3) and (4). One of these four words may either be misspelt or inappropriate in the context of the sentence. Find out the word(s) that is wrongly spelt or inappropriate and mark the relevant option as your answer. If all the words printed in bold are correct, mark option (E), i.e. 'All are correct', as the answer.

40. It's a **contentious (1)** time in the U.S., with a pandemic, **racial (2)** equality, police **violence (3)** and a presidential election all **occupying (4)** people's attention.
A. 1   B. 2
C. 3   D. 4
E. All are correct.

Direction: Study the following information carefully and answer which of the following conclusions follow.

41. **Statements:**
A ≤ B < C; A ≥ D; C ≤ F
Conclusions:
I. D < C

II. F $\geq$ D
A. Only conclusion I is true
B. Only conclusion II is true
C. Either conclusion I or II is true
D. Neither conclusion I nor II is true
E. Both conclusions I and II are true

Direction: In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the two conclusions follow the given statements and choose appropriate answer choice.

42. **Statements:**
E=A < D ≥B >F=C
Conclusions:

I. E > B
II. C<D
A. Only conclusion I is true.
B. Only conclusion II is true.
C. Either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both the conclusions I and II are true.

Direction: In the question, the relationship between different elements is shown in the statements. These statements are followed by two conclusions. Mark answer.

43. **Statements:**
A > B, P >L, L = S
Conclusions:
I. B = L
II. L < B
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

Direction: Study the information given below and answer the questions based on it.

P, Q, R, S, T, U and V live on seven different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered 1, the one above that is numbered 2 and so on till the topmost floor is numbered 7. They live in seven different countries viz, China, India, Japan, Canada, England, Australia and Russia but not necessarily in the same order.

P lives on an odd-numbered floor but not on the floor numbered 3. The one who lives in England lives immediately above P. Only two persons live between S and the one who lives in England. The one who lives in India, lives on the odd-

numbered floor above the floor on which S lives. Only three persons live between R and the one who lives in India. The one who lives in Japan, lives immediately above R. The one who lives in China lives immediately above the one who lives in Russia. V lives on an odd-numbered floor. Only one person lives between Q and T. Q lives above T. Neither R nor P lives in Canada. T doesn't live in Japan.

44. P lives in which of the following countries?
A. Australia   B. Russia
C. Japan   D. India
E. None of these

45. Which of the following combinations is true with respect to the given arrangement?
A. Australia – R
B. India – U
C. Russia – V
D. England – S
E. Canada – Q

46. If all of the persons are made to sit in alphabetical order from top to bottom, the position of how many persons will remain unchanged?
A. Four   B. None
C. Two   D. One
E. Three

47. Which of the following statement is true with respect to the given arrangement?
A. The one who lives in Russia, lives immediately below P.
B. U lives in India
C. Only four persons live between S and V.
D. V lives immediately below T.
E. None of these

48. Who lives on floor numbered 2?
A. Q   B. T
C. S   D. P
E. U

Direction: Read the following information carefully and answer the questions which follow.
Point A is 6 km towards the East of point E. Point P is 8 km North of point E. Point J is exactly midway between point P and point E. Point I is 10 km to the South of point J. Point M is 3 km towards the East from point J. Point N is exactly midway between point E and point A .

49. What is the distance between Point M and Point N?
A. 3 km   B. 4 km
C. 5 km   D. 6 km
E. Can't be determined

50. Point M is in which direction from point I?
A. North
B. South
C. North-east
D. South-east
E. None of these

Direction: The question consists of some statements followed by some conclusions. Consider the statements to be true even if they are in variance with the commonly known facts. Read all the conclusions and decide which of the given conclusions logically follow from the given statements and accordingly mark your answer as:

51. **Statements:**
All purple are blue.
Some blue are green.
All orange are green.
No purple is orange

Conclusions:
a) Some blue are orange.
b) All purple being green is a possibility.
A. If only conclusion a) is true.
B. If only conclusion b) is true.
C. If either conclusion a) or b) is true.
D. If neither conclusion a) nor b) is true.
E. If both conclusion a) and b) are true.

52.**Statements:**
Some A are B
Some C are B
No C is J.
Conclusions:
a) Some B are J.
b) All B being J is a possibility.
A. If only conclusion a) is true.
B. If only conclusion b) is true.
C. If either conclusion a) or b) is true.
D. If neither conclusion a) nor b) is true.
E. If both conclusion a) and b) are true.

53.How many such pairs of letters are there in the word 'Robbery' each of which has as many letters between them in the word as in the English alphabet (Both forward and backward)?
A. Nil   B. One
C. Two   D. Three
E. None of these

Direction: Study the following data carefully and answer the questions accordingly.
N is the mother of Y. B is the son of D. C is the brother of N. N has only one daughter. Y is the sister of D. P is the father of D. D is married to A.
54. How is N related to A?
A. Sister-in-law
B. Sister

C. Mother
D. Mother-in-law
E. None of these

55.How is D related to N?
A. Brother
B. Son
C. Nephew
D. Niece
E. None of these

Direction: Study the following data carefully and answer the questions accordingly.
Seven people A, B, C, D, E, F, and G are sitting around a circular table facing the center. F is not sitting second to the left of C. B and C are not immediate neighbors. One person is sitting between B and G, who is not an immediate neighbor of E. G and D are not immediate neighbors. Two people are sitting between G and A, who is not an immediate neighbor of B. Two people are sitting between E and B.
56. Who sits second to the right of E?
A. D   B. F
C. B   D. G
E. None of these

57.How many people are sitting between D and C when counted from the right of D?
A. One   B. Four
C. Two   D. Three
E. None of these

58.Who is an immediate neighbor of F?
A. A   B. G
C. D   D. C
E. None of these

59. Find the correct statement.
A. A and E are not immediate neighbors
B. D sits second to the right of F
C. E and F are sitting opposite to each other
D. G sits immediate right of E
E. None is correct

60. Find the odd one.
A. D, F   B. E, D
C. A, G   D. G, B
E. A, B

ANSWERS

1. Ans. A.

900% of 5 ÷ 300% of 2.5 = ?^{2} + 2

⇒ $\frac{900}{100}$ × 5 ÷ $\frac{300}{100}$ × 2.5 = ?^{2} + 2

⇒ 45 ÷ 7.5 = ?^{2} + 2

⇒ 6 = ?^{2} + 2

⇒ ?^{2} = 6 − 2

⇒ ?^{2} = 4

⇒ ? = 2

2. Ans. E.

$? = \frac{\sqrt{1521} - (56 \div 8) + \sqrt{1849}}{\sqrt{784} - 13 \times 3 + (234 \div 9)} = \frac{39 - 7 + 43}{28 - 39 + 26}$

$= \frac{75}{15} = 5$

3. Ans. D.

30% of ? = 54

⇒ ? = (54 × 100)/30 = 180

4. Ans. A.

? = 4^2 − 5^2 + 6^2 = 16 − 25 + 36 = 27.

5. Ans. C.

$8\frac{3}{13} + 1\frac{11}{13} + 7\frac{12}{13} + 5\frac{7}{13} = ? + 4\frac{7}{13}$

⇒ $\frac{107}{13} + \frac{24}{13} + \frac{103}{13} + \frac{72}{13} = ? + \frac{59}{13}$

⇒ $\frac{107 + 24 + 103 + 72 - 59}{13} = ?$

⇒ $\frac{247}{13} = ?$

⇒ ? = 19

6. Ans. B.

Colleges	Number of students who participated in quiz	Number of students who did not participate in quiz	Total number of students
M	240	$\frac{240}{6}$ × 7 = 280	240 + 280 = 520
N	320	$\frac{320}{4}$ × 5 = 400	320 + 400 = 720
O	225	$\frac{225}{5}$ × 6 = 270	225 + 270 = 495
P	350	$\frac{350}{7}$ × 9 = 450	350 + 450 = 800

Referring to the data calculated in common solution, we get

The total number of students in college O = 495

Hence, option B is correct.

7. Ans. A.

Colleges	Number of students who participated in quiz	Number of students who did not participate in quiz	Total number of students
M	240	$\frac{240}{6}$ × 7 = 280	240 + 280 = 520
N	320	$\frac{320}{4}$ × 5 = 400	320 + 400 = 720
O	225	$\frac{225}{5}$ × 6 = 270	225 + 270 = 495
P	350	$\frac{350}{7}$ × 9 = 450	350 + 450 = 800

The number of students who did not participated in quiz from college N = 400

The number of students who did not participated in quiz from college P = 450

Required difference = 450 − 400 = 50

Hence, option A is correct.

8. Ans. D.

Colleges	Number of students who participated in quiz	Number of students who did not participate in quiz	Total number of students
M	240	$\frac{240}{6}$ × 7 = 280	240 + 280 = 520
N	320	$\frac{320}{4}$ × 5 = 400	320 + 400 = 720
O	225	$\frac{225}{5}$ × 6 = 270	225 + 270 = 495
P	350	$\frac{350}{7}$ × 9 = 450	350 + 450 = 800

The required ratio = 280 : 350 = 4 : 5

Hence, option D is correct.

9. Ans. C.

| Colleges	Number of students who participated in quiz	Number of students who did not participate in quiz	Total number of students
M	240	$\frac{240}{6} \times 7 = 280$	240 + 280 = 520
N	320	$\frac{320}{4} \times 5 = 400$	320 + 400 = 720
O	225	$\frac{225}{5} \times 6 = 270$	225 + 270 = 495
P	350	$\frac{350}{7} \times 9 = 450$	350 + 450 = 800

The number of students who participated in the quiz of college N = 320

The total number of students in college P = 800

Required percentage $= \frac{320}{800} \times 100 = 40\%$

Hence, option C is correct.

10. Ans. E.

Colleges	Number of students who participated in quiz	Number of students who did not participate in quiz	Total number of students
M	240	$\frac{240}{6} \times 7 = 280$	240 + 280 = 520
N	320	$\frac{320}{4} \times 5 = 400$	320 + 400 = 720
O	225	$\frac{225}{5} \times 6 = 270$	225 + 270 = 495
P	350	$\frac{350}{7} \times 9 = 450$	350 + 450 = 800

The number of girls in college N = 300
The number of girls who participated in quiz = 180
The number of girls who do not participated in quiz = 300 – 180 = 120
The number of boys who do not participated in quiz = 400 – 120 = 280
Hence, option E is correct.

11. Ans. D.

Colleges	Number of students who participated in quiz	Number of students who did not participate in quiz	Total number of students
M	240	$\frac{240}{6} \times 7 = 280$	240 + 280 = 520
N	320	$\frac{320}{4} \times 5 = 400$	320 + 400 = 720
O	225	$\frac{225}{5} \times 6 = 270$	225 + 270 = 495
P	350	$\frac{350}{7} \times 9 = 450$	350 + 450 = 800

The total number of students in college P = 800

The number of girls in college P $= \frac{800}{8} \times 3 = 300$

Hence, option D is correct.

12. Ans. A.
The pattern of the series is:
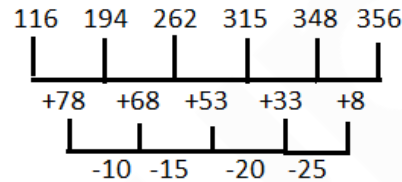
Hence, the missing term is 356.

13. Ans. D.
The pattern of the series is:
7 + (4 x 1) = 11
11 + (4 x 3) = 23
23 + (4 x 7) = 51
51 + (4 x 13) = 103
103 + (4 x 21) = 187
Multiples of 4 have difference of 2, 4, 6 and so on.
Hence, the missing term is 187.

14. Ans. A.
The pattern of the series is:
$2^2 - 1 = 3$
$3^2 - 1 = 8$
$5^2 - 1 = 24$
$7^2 - 1 = 48$
$11^2 - 1 = 120$
$13^2 - 1 = 168$
Hence, the missing term is 168.

15. Ans. C.
The pattern of the series is:
$32 + 2^0 \times 17 = 49$
$49 + 2^1 \times 17 = 83$
$83 + 2^2 \times 17 = 151$
$151 + 2^3 \times 17 = 287$

$287 + 2^4 \times 17 = 559$
$559 + 2^5 \times 17 = 1103$
Hence, the missing term is 1103.

16. Ans. C.
The pattern of the series is:
$32 \times 0.5 = 16$
$16 \times 1 = 16$
$16 \times 1.5 = 24$
$24 \times 2 = 48$
$48 \times 2.5 = 120$
Hence, the missing term is 120.

17. Ans. D.

Difference between C.I and S.I = $\frac{pr^2}{(100)^2}$

$60 = \frac{24000r^2}{(100)^2}$

$\Rightarrow r^2 = \frac{60 \times 100 \times 100}{24000} = 25$

$\Rightarrow r = 5\%$

18. Ans. C.
Let the investment of A be Rs. 5x
Investment of B = Rs. 4x
Ratio of profits earned by A and B =
5x × 9 : 4x × 12 = 45y : 48y
Difference of profits earned = Rs. 5700
= 48y – 45y ⇒ y = Rs. 1900
Total profit earned by them = 48y +
45y = 1900 × 93 = Rs. 1,76,700
Hence, the answer is option C.

19. Ans. E.
Let the required time be P days, then
$\underline{4(3m + 4w)} = \underline{5(8m + 15w)} = \underline{(13w) \times}$
P
¼   1   1
⇒ 16(3m + 4w) = 40m + 75w = 13w x
P
⇒ 48m + 64w = 40m + 75w
⇒ 8m = 11w
So,
⇒ 48m + 64w = 13w x P
⇒ 66w + 64w = 13w x P

⇒ 130w = 13w x P
⇒ P = 10
Hence, 13 women will finish the work
in 10 days.

20. Ans. B.
Average speed of Mohan = 900/15 =
60 km/hr
Average speed of Ram = 60 × 2 = 120
km/hr
Average speed of Raj= (4/5) × 120 =
96 km/hr
Hence, the distance covered by Raj in
4 hours = 4 × 96 = 384 km

21. Ans. A.
Refer to the first paragraph, the hint
can be drawn from the lines, *It would
be wonderful if the growing
protests against class, ethnic and
gender discrimination are the start
of a transition to a radically better
society. But that means
recognising that inequality and
social hierarchy are fundamental
to division and discrimination.*
Here, the above lines justify the option
(a). In other words, protesting against
class, ethnic and gender discrimination
will be a transitioning phase for a
radically better society. Hence, **option
A** is the right answer choice.

22. Ans. C.
Refer to the 2nd paragraph, the hint can
be drawn from the lines, "*Following
his election victory, John Major
said he wanted to create a
classless society; he failed because
he did nothing about inequality. In
contrast, Per Albin Hansson, a
former Swedish prime minister,
made a similar commitment, but
was partially successful because*

he and his successors did reduce income differences."

Here, only option (c) justifies the above quoted lines. The author is trying to convey that a classless and discrimination-free society can only be created with removing inequality. It was done by Per Albin Hansson, who reduced income differences. On the contrary, John Major committed towards creating a classless society but he did nothing to fill the inequality gap. Hence, **option C** is the right answer choice.

23. Ans. E.
Refer to the 3rd paragraph, the hint can be drawn from the lines, *As research shows, bigger economic differences make class and status more important. Underpinning intolerance and prejudice, they not only become the measure of a person's worth, they also weaken community life, reduce child wellbeing and make equal opportunities an ever more distant prospect. At the same time, violence increases and health suffers. But reduce inequality and all these outcomes improve.*
Here, all the options justify the above quoted lines. Hence, **option E** is the right answer choice.

24. Ans. B.
Refer to the 4th paragraph, the hint can be drawn from the lines, *The Institute for Fiscal Studies report showing that ethnic minorities are under-represented among economists at leading universities misses a chance to focus more on the gender/ethnicity/social class nexus of under-representation that*

Rethinking Economics has uncovered for our forthcoming book on the need to democratise economics.
Here, it is clearly mentioned in the above quoted lines that the report misses chance to focus on social class, ethnicity and gender aspect of under-representation. Hence, **option B** is the right answer choice.

25. Ans. C.
The term 'wax and wane' means to undergo alternate increases and decreases. Given this meaning, only statement III makes sense. Thus, option C is the correct answer.

26. Ans. C.
Refer to the concluding lines of the given passage, *Let's highlight the interweaving barriers of sexism, racism and elitism which mean that poorer people, particularly those who are black Caribbean, Pakistani, Bangladeshi, and women, are severely under-represented among economists.*
Hence, **option C** is the right answer choice.

27. Ans. C.
Nexus: a connection or series of connections linking two or more things.
Actuate: give an incentive for doing something
Surly: unfriendly and inclined toward anger or irritation
Convalesce: get over an illness or shock
Demoralize: lower someone's spirits; make downhearted
According to the meanings, option C 'connection' is the correct answer.

28. Ans. E.
Underpin: support, justify, or form the basis for. Encourage, Stimulate, Develop
Hinder: make it difficult for (someone) to do something or for (something) to happen.
Devolve: grow worse
Alacrity: liveliness and eagerness
Waive: do without or cease to hold or adhere to
Unwonted: out of the ordinary
According to the given meanings, option E 'Hinder' is the

29. Ans. B.
The error is in the second part of the sentence. The structure is incorrect. As the sentence tries to state that air pollution resulting from traffic is the more important factor. To put this right the structure should be 'air pollution primarily from traffic'. Note that using the adjective 'primary' is incorrect. In fact, we need an adverb 'primarily' to denote 'mainly'.

30. Ans. A.
The error is in the first part of the sentence. Note that 'The **cattle** are' thus-and-so is the correct form. The word **cattle** is defined as a group of bovine animals, so a plural verb is needed. If referring to a single bovine animal, the word to use with the singular verb "is" is **cow**, bull or steer. Thus, we need to replace 'is' with 'are' here to rectify the sentence.

31. Ans. D.
The error is in the 4th part of the sentence. The use of gerund 'rendering' isi incorrect after the infinitive 'to'. We need to have the verb in its base form to ride the sentence grammatically correct. So, replace 'rendering' with 'render' to rectify it.

32. Ans. B.
We are talking about Vijay here, who is trying to find the light switch.
The term 'fumble' means: move clumsily in various directions using the hands to find one's way
It fits in the blank perfectly. Thus, option B is the correct answer.
The other terms meaning:
reigned: be the best or most important in a particular area or domain'. It does not make any sense here.
Clustered: form a cluster or clusters
Greased: smear or lubricate with grease

33. Ans. D.
Nancy felt something when she found something at the end of the rainbow. Out of all the options, option D makes most sense as 'enthralled' means to capture the fascinated attention of someone. Thus, option D is the correct answer.
Abjured means to renounce a belief or claim.

34. Ans. A.
The meaning of the following words is:
Assertion: a confident and forceful statement of fact or belief
Aberration: a departure from what is normal, usual, or expected, typically an unwelcome one
Accretion: growth or increase by the gradual accumulation of additional layers or matter
Alias: a false or assumed identity
Anathema: something or someone that one vehemently dislikes

Given the context where the president is trying to make a claim firmly, option A is the correct answer.

35. Ans. A.
Usage of 'has prepared to' is wrong and 'was prepared to' will be appropriate instead of that. The sntence is in the form of reported/indirect speech. Since the reporting verb 'said' is in the past form, the reported speech will also be in the past tense. Hence, **option (a)** is the right answer choice.

36. Ans. D.
'Appreciated' will be used instead of 'appreciate' in the bold part. To be (is/are/am/were/was/be/been/being) +Third form of Verb (v3) is used in passive voice. Hence D is the right answer choice.

37. Ans. A.
The emboldened part is a contextual misfit. The usage of 'of' is not right as usage of 'that' after 'of' means there is some additional information given, but that is not the case. Instead the sentence demands a verb to define clearly what the departments were asked to do. So, the part needs to be replaced.
Now of the given alternatives, options B, C, and D are incorrect because 1st form of verb must be used with infinitive 'to'. This leaves us only with option A which will be the correct replacement of the highlighted part.

38. Ans. D.
'Stacking the deck' is a common expression in game of cards meaning "to arrange cards secretly and dishonestly in one's own favor or against one's opponent." Hence, part D

has to follow B. Since part D ends with 'of', it cannot be the closure. Of the 3 remaining parts, only A fits in after part A. Thus, we get the sequence B-D-A.
The only option that displays this sequence is option D which is the solution. The full sentence is: "Climate change has inexorably stacked the deck in favor of bigger and more intense fires across the American West over the past few decades, science has incontrovertibly shown."
Therefore, option D is the correct choice to this question.

39. Ans. C.
Of all the sentence parts, D is the only one suitable to start a sentence. Hence, there are two valid options: C and D.
As part D, the starting fragment says China has come under fire, it is fair to assume the next sentence fragment will state why it has come under fire. This is done by part C (slow to acknowledge the outbreak). This rules out option D.
The full sentence will be: "China has come under fire for being slow to acknowledge the outbreak, allowing gatherings to take place even as concerns grew and punishing doctors for warning others."
Therefore, option C is the correct answer to this question.

40. Ans. E.
All the highlighted words in the statement are correct. Thus, option E is the correct answer.
41. Ans. A.
By combining the statements

$D \leq A \leq B < C \leq F$

$D \leq A \leq B < C$ (True)

$D \leq A \leq B < C \leq F$ (not true)

Hence, option A is the right answer.

42. Ans. B.
Statements: E=A<D≥B >F=C
The conclusion I do not hold true from E = A < D≥B since E cannot be compared with B.
From D≥B > F = C we can evaluate:
B>C and D≥B hence D>C so conclusion II holds true.

43. Ans. D.
A > B, P≥L=S
I. B=L is false
II. L < B is false
There is no specific relation between B and L.

44. Ans. D.
- Only two persons live between S and the one who lives in England.
- The one who lives in England lives immediately above P.
- P live on an odd numbered floor but not on the floor numbered 3.
- The one who lives in India, lives on the odd numbered floor above the floor on which S lives.
- Only three persons live between R and the one who live in India.
- The one who lives in Japan, lives immediately above R.
- The one who lives in China lives immediately above the one who lives in Russia.
- V lives on an odd numbered floor. Only one person lives between Q and T.
- Q lives above T.
- Neither R nor P lives in Canada.
- T doesn't live in Japan.

(There will be 2 cases S either lives on floor number 5 or floor number 3)

	CASE 1		CASE 2	
Floor	person	country	person	country
7		India	V	Canada
6		China	Q	England
5	S	Russia	P	India
4		Japan	T	China
3	R	Australia	S	Russia
2		England	U	Japan
1	P	Canada	R	Australia

Case 1 will be eliminated because P doesnot belong to Canada is given in the statement and there is no other option for canada.
So, we conclude:

7	V	Canada
6	Q	England
5	P	India
4	T	China
3	S	Russia
2	U	Japan
1	R	Australia

45. Ans. A.
- Only two persons live between S and the one who lives in England.
- The one who lives in England lives immediately above P.
- P live on an odd numbered floor but not on the floor numbered 3.
- The one who lives in India, lives on the odd numbered floor above the floor on which S lives.
- Only three persons live between R and the one who live in India.
- The one who lives in Japan, lives immediately above R.
- The one who lives in China lives immediately above the one who lives in Russia.
- V lives on an odd numbered floor. Only one person lives between Q and T.
- Q lives above T.
- Neither R nor P lives in Canada.
- T doesn't live in Japan.

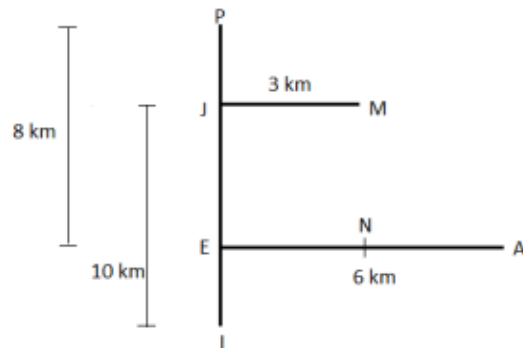(There will be 2 cases S either lives on floor number 5 or floor number 3)

Floor	CASE 1 person	CASE 1 country	CASE 2 person	CASE 2 country
7		India	V	Canada
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3	R	Australia	S	Russia
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1	P	Canada	R	Australia

Case 1 will be eliminated because P doesnot belong to Canada is given in the statement and there is no other option for canada.

So, we conclude:

7	V	Canada
6	Q	England
5	P	India
4	T	China
3	S	Russia
2	U	Japan
1	R	Australia

46. Ans. C.
- Only two persons live between S and the one who lives in England.
- The one who lives in England lives immediately above P.
- P live on an odd numbered floor but not on the floor numbered 3.
- The one who lives in India, lives on the odd numbered floor above the floor on which S lives.
- Only three persons live between R and the one who live in India.
- The one who lives in Japan, lives immediately above R.
- The one who lives in China lives immediately above the one who lives in Russia.
- V lives on an odd numbered floor. Only one person lives between Q and T.
- Q lives above T.

- Neither R nor P lives in Canada.
- T doesn't live in Japan.

(There will be 2 cases S either lives on floor number 5 or floor number 3)

Floor	CASE 1 person	CASE 1 country	CASE 2 person	CASE 2 country
7		India	V	Canada
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1	P	Canada	R	Australia

Case 1 will be eliminated because P doesnot belong to Canada is given in the statement and there is no other option for canada.

So, we conclude:

7	V	Canada
6	Q	England
5	P	India
4	T	China
3	S	Russia
2	U	Japan
1	R	Australia

47. Ans. E.
- Only two persons live between S and the one who lives in England.
- The one who lives in England lives immediately above P.
- P live on an odd numbered floor but not on the floor numbered 3.
- The one who lives in India, lives on the odd numbered floor above the floor on which S lives.
- Only three persons live between R and the one who live in India.
- The one who lives in Japan, lives immediately above R.
- The one who lives in China lives immediately above the one who lives in Russia.

- V lives on an odd numbered floor. Only one person lives between Q and T.
- Q lives above T.
- Neither R nor P lives in Canada.
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(There will be 2 cases S either lives on floor number 5 or floor number 3)

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Floor	person	country	person	country
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1	P	Canada	R	Australia

Case 1 will be eliminated because P doesnot belong to Canada is given in the statement and there is no other option for canada.

So, we conclude:

7	V	Canada
6	Q	England
5	P	India
4	T	China
3	S	Russia
2	U	Japan
1	R	Australia

48. Ans. E.
- Only two persons live between S and the one who lives in England.
- The one who lives in England lives immediately above P.
- P live on an odd numbered floor but not on the floor numbered 3.
- The one who lives in India, lives on the odd numbered floor above the floor on which S lives.
- Only three persons live between R and the one who live in India.
- The one who lives in Japan, lives immediately above R.

- The one who lives in China lives immediately above the one who lives in Russia.
- V lives on an odd numbered floor. Only one person lives between Q and T.
- Q lives above T.
- Neither R nor P lives in Canada.
- T doesn't live in Japan.

(There will be 2 cases S either lives on floor number 5 or floor number 3)

	CASE 1		CASE 2	
Floor	person	country	person	country
7		India	V	Canada
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3	R	Australia	S	Russia
2		England	U	Japan
1	P	Canada	R	Australia

Case 1 will be eliminated because P doesnot belong to Canada is given in the statement and there is no other option for canada.

So, we conclude:

7	V	Canada
6	Q	England
5	P	India
4	T	China
3	S	Russia
2	U	Japan
1	R	Australia

49. Ans. B.

Clearly, the required distance is MN= PE – JE.

MN = 8 km - 4 km = 4 km.

Hence, the distance between Point M and Point N is 4 km.

50. Ans. C.
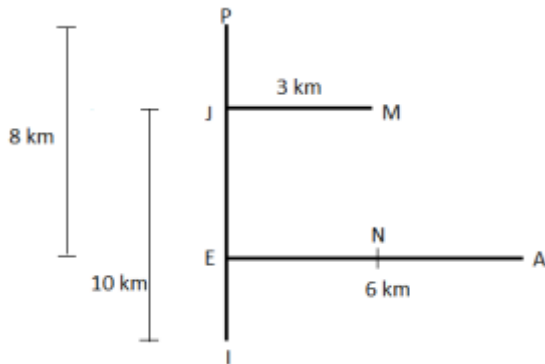
Clearly, Point M is in North-east direction from Point I.

51. Ans. B.
Option b) is the correct answer.

We can clearly see that:
'Blue' has no relation with 'orange'. So, 'Blue' may or may not be part of 'orange'. So, conclusion a) does not follow.
'Purple' has no direct relation with 'Green'. So, There is a possibility that 'purple' may be part of 'green'. So, conclusion b) follows.

52. Ans. D.
Option D. is the correct answer.
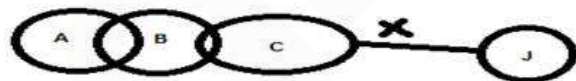
We can clearly see that:
'B' has no relation with 'J'. Therefore, conclusion a) does not follow.
'B' is related to 'C' which can not be part of 'J'. Therefore, part of 'B' which is 'C' as well cannot be related to 'J'.

53. Ans. A.
There is no such pair.

54. Ans. D.
1) N is the mother of Y.
2) Y is the sister of D.
3) B is the son of D.
4) N has only one daughter.
5) P is the father of D.
6) D is married to A.
7) C is the brother of N.
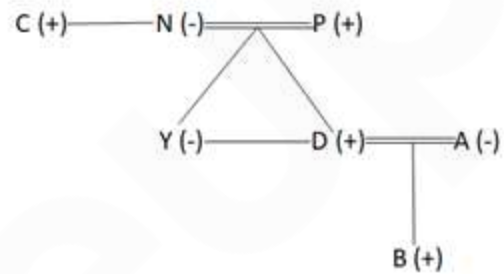
Therefore, option D is the answer.

55. Ans. B.
1) N is the mother of Y.
2) Y is the sister of D.
3) B is the son of D.
4) N has only one daughter.
5) P is the father of D.
6) D is married to A.
7) C is the brother of N.
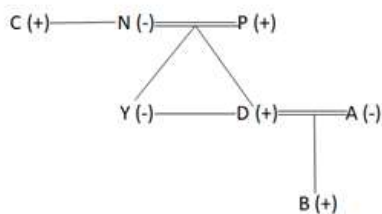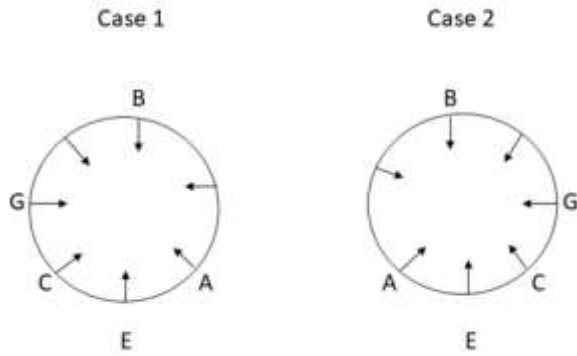

Therefore, option B is the correct answer.
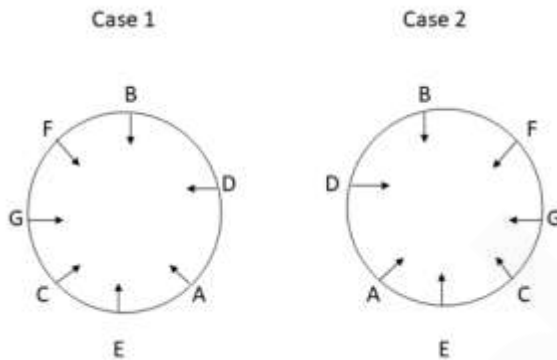
56. Ans. D.
1) Two people are sitting between E and B.
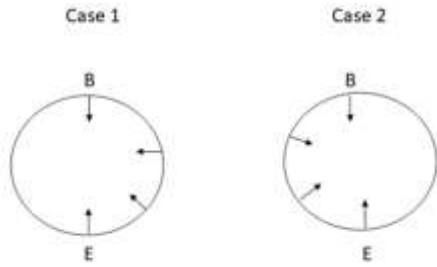
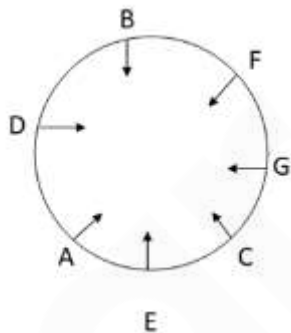2) One person is sitting between B and G, who is not an immediate neighbor of E.
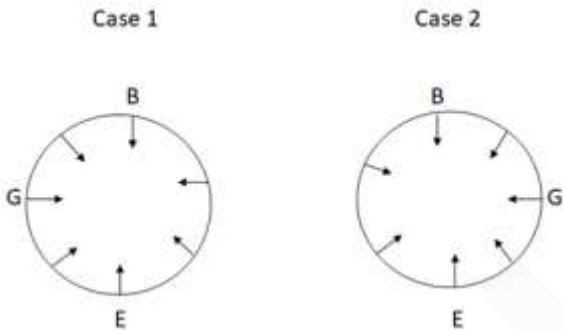
3) Two people are sitting between G and A, who is not an immediate neighbor of B.
4) B and C are not immediate neighbors.
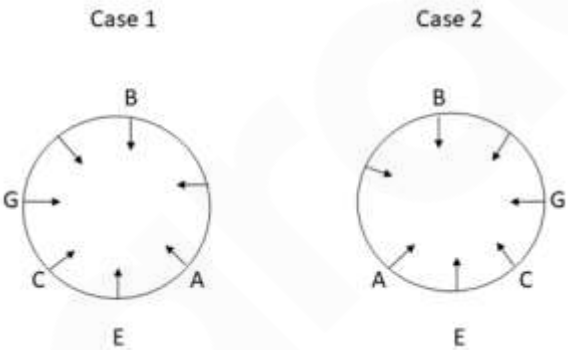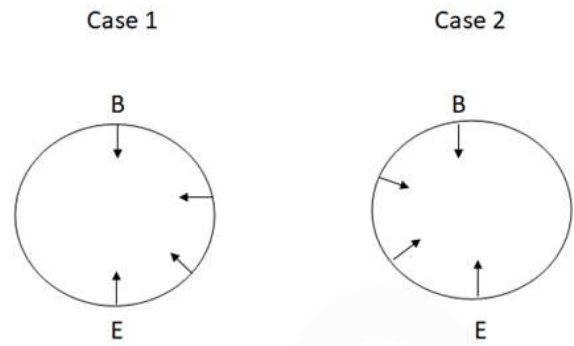

5) G and D are not immediate neighbors.
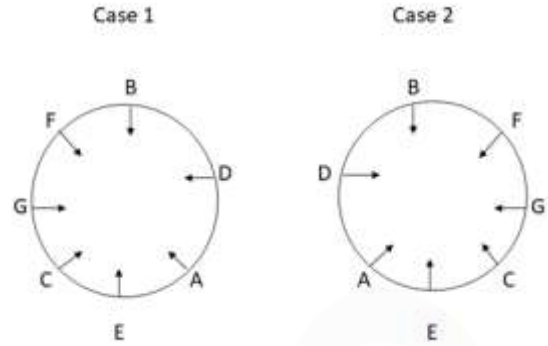
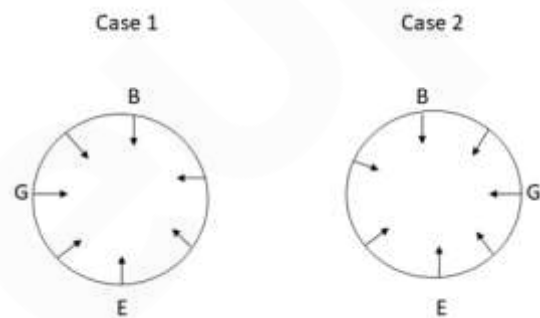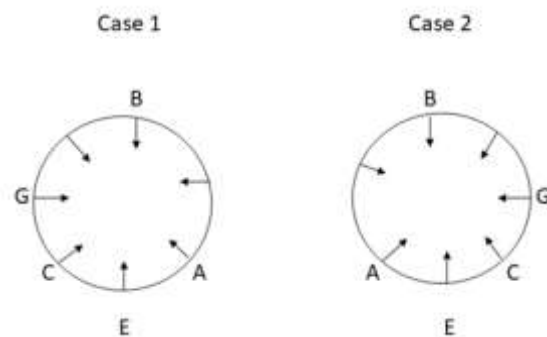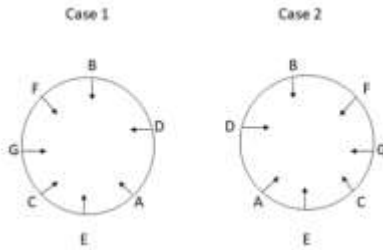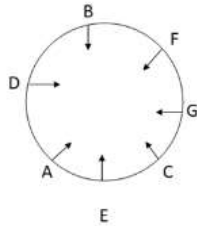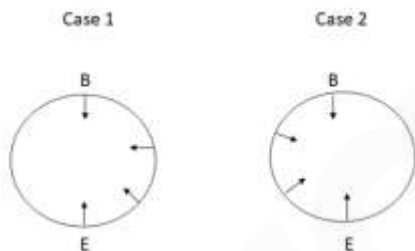6) F is not sitting second to the left of C.
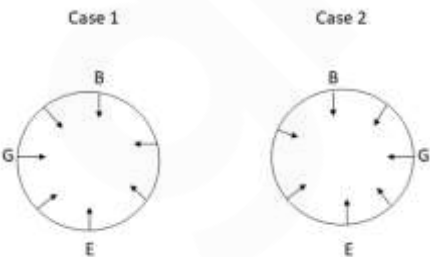(Here, case 1 will be eliminated)
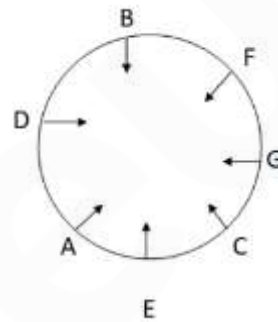
Therefore, option D is the correct answer.

57. Ans. C.
1) Two people are sitting between E and B.
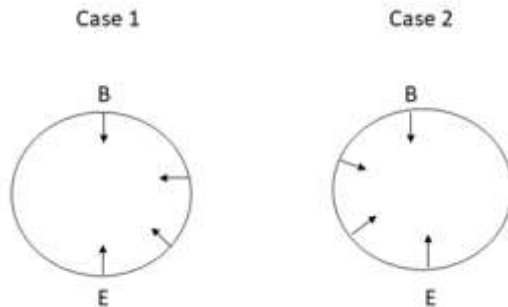
2) One person is sitting between B and G, who is not an immediate neighbor of E.

Case 1   Case 2
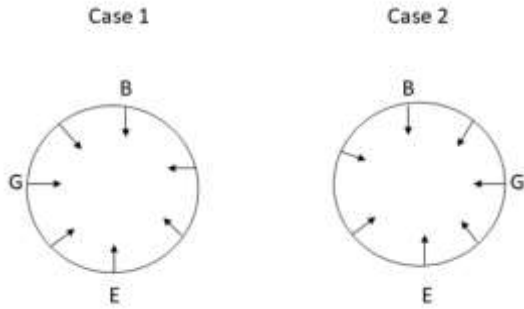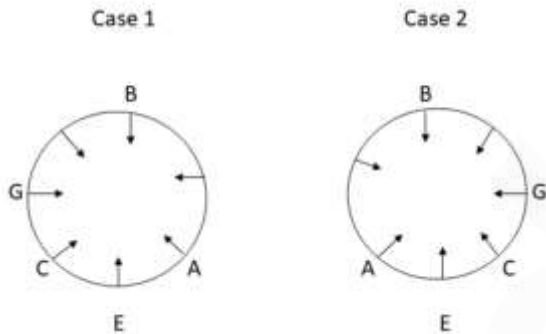
3) Two people are sitting between G and A, who is not an immediate neighbor of B.
4) B and C are not immediate neighbors.
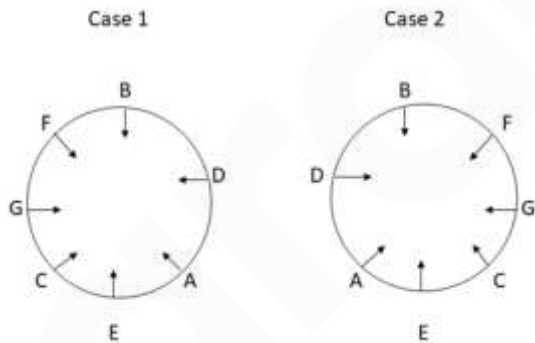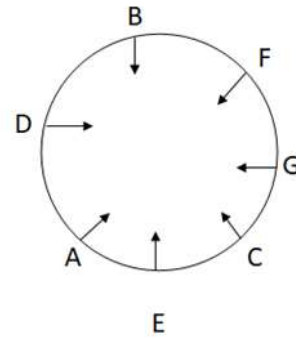
Therefore, option C is the correct answer.

58. Ans. B.
1) Two people are sitting between E and B.
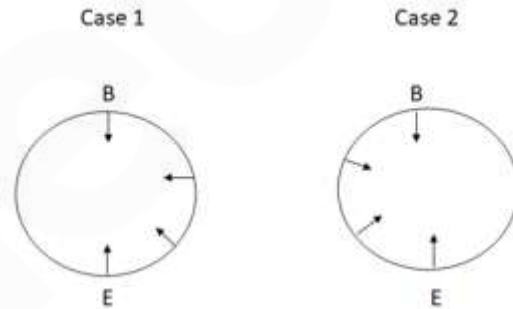
5) G and D are not immediate neighbors.

2) One person is sitting between B and G, who is not an immediate neighbor of E.

6) F is not sitting second to the left of C.
(Here, case 1 will be eliminated)

3) Two people are sitting between G and A, who is not an immediate neighbor of B.
4) B and C are not immediate neighbors.

Case 1   Case 2

5) G and D are not immediate neighbors.

Case 1   Case 2
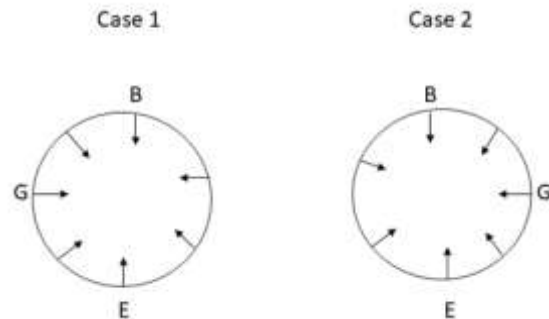
6) F is not sitting second to the left of C.
(Here, case 1 will be eliminated)

Therefore, option B is the correct answer.

59. Ans. B.
1) Two people are sitting between E and B.

Case 1   Case 2

2) One person is sitting between B and G, who is not an immediate neighbor of E.

Case 1   Case 2

3) Two people are sitting between G and A, who is not an immediate neighbor of B.
4) B and C are not immediate neighbors.

Case 1   Case 2

5) G and D are not immediate neighbors.

6) F is not sitting second to the left of C.
(Here, case 1 will be eliminated)

Therefore, option B is the correct answer.

60. Ans. C.
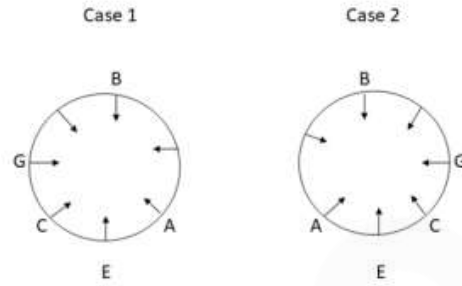1) Two people are sitting between E and B.

2) One person is sitting between B and G, who is not an immediate neighbor of E.
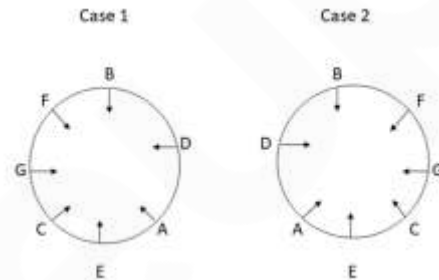

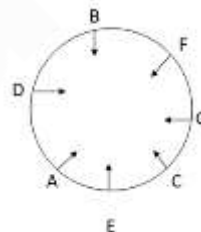3) Two people are sitting between G and A, who is not an immediate neighbor of B.

4) B and C are not immediate neighbors.

5) G and D are not immediate neighbors.

6) F is not sitting second to the left of C.
(Here, case 1 will be eliminated)

Therefore, option C is the correct answer.