IBPS Clerk Prelims 2020 60 Important Questions PDF

निर्देश: निम्नलिखित प्रश्न में प्रश्न-चिहन (?) के स्थान पर कौन सा मान आना चाहिए?
$1.900 \%$ of $5 \div 300 \%$ of $2.5=?^{2}+2$
A. 2
B. 4
C. 6
D. 8
E. 3

निर्देश: निम्नलिखित प्रश्न में प्रश्नवाचक चिन्ह (?) के स्थान पर क्या आना चाहिए?
2. $\frac{\sqrt{1521}-(56 \div 8)+\sqrt{1849}}{\sqrt{784}-13 \times 3+(234 \div 9)}=$ ?
A. 2
B. 3
C. 7
D. 6
E. 5

निर्देश: निम्नलिखित प्रश्न में प्रश्नचिन्ह (?) के स्थान पर क्या आयेगा?
3. ? का $30 \%=54$
A. 160
B. 145
C. 170
D. 180
E. इनमे से कोई नहीं

निर्देश: निम्नलिखित प्रश्न में प्रश्न चिन्ह (?) के स्थान पर कौन सा मान आना चाहिए?
4. $4^{2}-5^{2}+6^{2}=$ ?
A. 27
B. 37
C. 40
D. 46
E. इनमे से कोई नहीं

निर्देशः प्रश़्नवाचक चिन्ह '?' के स्थान पर क्या आना चाहिए?
5. $8^{\frac{3}{13}}+1^{\frac{11}{13}}+7^{\frac{12}{13}}+5^{\frac{7}{13}}=?+4^{\frac{7}{13}}$
A. 16
B. 14
C. 19
D. 18
E. 17

निर्देश: तालिका का ध्यानपूर्वक अध्ययन करें और निम्नलिखित प्रश्नों को हल करें।
तालिका में, कालेज $M, N, O$ और $P$ के उन छात्रों की संख्या के ऑकड़े हैं, जिन्होंने एक प्रश्नोत्तरी में भाग लिया था तथा उन छात्रों की संख्या का अनुपात है जिन्होंने प्रश्नोत्तरी में भाग लिया था और जिन्होने प्रश्नोत्तरी में भाग नहीं लिया था।

| कालेज | प्रश्रोत्तरी में भाग <br> लेने वाले छात्रों <br> की संख्या | प्रश्नोत्तरी में भाग लेने वाले तथा <br> भाग नहीं लेने वाले छात्रों की <br> संख्या का अनुपात |
| :---: | :---: | :---: |
| M | 240 | $6: 7$ |
| N | 320 | $4: 5$ |
| O | 225 | $5: 6$ |
| P | 350 | $7: 9$ |

नोट: कॉलेज में कुल छात्रों की संख्या = प्रश्नोत्तरी में भाग लेने वाले छात्रों की संख्या + प्रश्नोत्तरी में भाग नहीं लेने वाले छात्रों की संख्या
6. कॉलेज $O$ में छात्रों की कुल संख्या कितनी है?
A. 550
B. 495
C. 475
D. 575
E. उपरोक्त में से कोई नहीं

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7.कॉलेज $N$ और $P$ के प्रश्नोत्तरी में भाग नहीं लेने वाले छात्रों की संख्या में क्या अंतर है?
A. 50
B. 70
C. 90
D. 40
E. 60
8.कॉलेज $M$ से प्रश्नोत्तरी में भाग नहीं लेने वाले छात्रों की संख्या का कॉलेज $P$ से प्रश्नोत्तरी में भाग लेने वाले छात्रों की संख्या से अनुपात क्या हैं?
A. $4: 7$
B. $1: 1$
C. $24: 25$
D. $4: 5$
E. उपरोक्त में से कोई नहीं
9.कॉलेज $N$ से प्रश्नोत्तरी में भाग लेने वाले छात्रों की संख्या कॉलेज $P$ में छात्रों की कुल संख्या का कितना प्रतिशत है?
A. $45 \%$
B. $30 \%$
C. $40 \%$
D. $25 \%$
E. 50\%
10.कॉलेज N में लड़कियों की संख्या 300 है और प्रश्नोत्तरी में भाग लेने वाली लड़कियों की संख्या 180 है, तो उन लड़कों की संख्या क्या है जिन्होंने प्रश्नोत्तरी में भाग नहीं लिया?
A. 140
B. 160
C. 120
D. 100
E. 280
11.कॉलेज $P$ के कुल छात्रों में से, लड़कों और लड़कियों की संख्या का अनुपात 5: 3 है, कॉलेज $P$ में लड़कियों की संख्या कितनी है?
A. 250
B. 450
C. 400
D. 300
E. 500

निर्देश: निम्नलिखित संख्या श्रंखला में प्रश्न चिन्ह (?) के स्थान पर कौन सा मान आना चाहिए?
12. 116, 194, 262, 315, 348, ?
A. 356
B. 364
C. 372
D. 354
E. इनमे से कोई नहीं

निर्देश: निम्नलिखित संख्या शृंख्ला में प्रश्नचिन्ह (?) के स्थान पर क्या आएगा?
13. $7,11,23,51,103$, ?
A. 186
B. 188
C. 185
D. 187
E. इनमे से कोई नहीं

निर्देश: निम्न संख्या श्रंखला में प्रश्न चिन्ह
(?) के स्थान पर कौन सा मान आना चाहिए?
14. 3, $8,24,48,120$, ?
A. 168
B. 224
C. 161
D. 215
E. इनमे से कोई नहीं

निर्देश: निम्नलिखित संख्या श्रंखला में प्रश्न चिन्ह (?) के स्थान पर कौन सी संख्या आनी चाहिए?
15. 32, 49, 83, 151, 287, 559, ?
A. 1118
B. 979
C. 1103
D. 1120
E. 890

निर्देश: निम्नलिखित संख्या श्रृंखला में प्रश्न चिहन(?) के स्थान पर क्या आएगा?
16. $32,16,16,24,48$, ?
A. 130
B. 116
C. 120
D. 132
E. इनमे से कोई नहीं
17.24000 रुपये की राशि पर 2 वर्ष में अर्जित चक्रवृद्धि ब्याज और साधारण ब्याज के बीच का अंतर 60 रुपये था, तो ब्याज की वार्षिक दर क्या थी?
A. $4.50 \%$
B. $5.25 \%$
C. $6 \%$
D. $5 \%$
E. इनमे से कोई नहीं
18. A और B एक व्यापार शुरू करते हैं। उनके निवेश का अनुपात $5: 4$ है। $A, 9$ महीने बाद व्यापार छोड़ देता है जब कि $B$, पूरे वर्ष व्यापार में शामिल रहता है। यदि उनके द्वारा कमाए गए लाभ का अनुपात 5700 है, उनके द्वारा कमाया गया कुल लाभ है?
A. $1,86,000$ रुपये
B. $1,81,350$ रुपये
C. $1,76,700$ रुपये
D. $1,67,400$ रुपये
E. इनमें से कोई नहीं
19.3 आदमी और 4 औरतें $25 \%$ काम को 4 दिन में पूरा करते हैं जबकि 8 आदमी और 15 औरतें पूरे काम को 5 दिनों में पूरा करते हैं, तो 13 औरतें उस काम को कितने दिनों में पूरा करेंगी?
A. 16 दिन
B. 24 दिन
C. 36 दिन
D. 48 दिन
E. इनमें से कोई नहीं
20. राज की औसत गति, राम की औसत गति से $4 / 5$ गुनी है। मोहन 15 घंटे में 900 किमी की दूरी तय करता है,तो राज 4 घंटे में कितनी दूरी तय करेगा, यदि राम की औसत गति मोहन की औसत गति से दुगुनी है?
A. 480 किमी
B. 384 किमी
C. 375 किमी
D. 350 किमी
E. इनमे से कोई नहीं


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.
Source:
https://www.theguardian.com/ineq uality/2020/oct/27/the-need-to-improve-access-to-universities
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

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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 underrepresentation 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 underrepresent 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)/ energyrich, and can be stored (3)/ easily for later use. (4)
A. 1
B. 2
C. 3
D. 4
E. No error


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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 $\qquad$ 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 $\qquad$
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
$\qquad$
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".

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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


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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.

निर्देश: निम्नलिखित जानकारी को ध्यानपूर्वक पढ़ें और ज्ञात करें कि निम्न में से कौन सा निष्कर्ष दिए गए कथन का अनुसरण करता है।
41. कथन:
$A \leq B<C ; A \geq D ; C \leq F$
निष्कर्ष:
I. $\mathrm{D}<\mathrm{C}$
II. $F \geq D$
A. केवल निष्कर्ष I अनुसरण करता है
B. केवल निष्कर्ष II अनुसरण करता है
C. या तो निष्कर्ष I या निष्कर्ष II अनुसरण करता है
D. न तो निष्कर्ष I न ही निष्कर्ष II अनुसरण करता है
E. दोनों निष्कर्ष I और II अनुसरण करते हैं

निर्देश: निम्नलिखित प्रश्न में कुछ कथनों के बाद कुछ निष्कर्ष दिये गये हैं। दिये गये कथनों को सत्य मानते हुए, ज्ञात कीजिए कि कौन सा निष्कर्ष दिये गये कथन का अनुसरण करता है और उचित विकल्प को उत्तर के रुप में चुनें।
42. कथन:
$\mathrm{E}=\mathrm{A}<\mathrm{D} \geq \mathrm{B}>\mathrm{F}=\mathrm{C}$

## निष्कर्ष:

I. $\mathrm{E}>\mathrm{B}$
II. $\mathrm{C}<\mathrm{D}$
A. केवल निष्कर्ष I सत्य है।
B. केवल निष्कर्ष II सत्य है।
C. या तो निष्कर्ष I या तो II सत्य है।
D. या ना तो निष्कर्ष I या तो II सत्य है।
E. दोनों निष्कर्ष I और II सत्य हैं।

निर्देश: प्रश्न में विभिन्न तत्वों के बीच में सम्बन्ध कथन के रुप में दिया गया है। यह कथन दो निष्कर्षों का अनुसरण करता है। उत्तर दीजिए।
43. कथन:
$A>B, P \geq L, L=S$

## निष्कर्ष:

I. $B=L$
II. $\mathrm{L}<\mathrm{B}$
A. सिर्फ निष्कर्ष I सत्य है।
B. सिर्फ निष्कर्ष II सत्य है।
C. या तो निष्कर्ष I या निष्कर्ष II सत्य है।
D. ना तो निष्कर्ष I ना निष्कर्ष II सत्य है।
E. निष्कर्ष I और निष्कर्ष II दोंनो सत्य हैं।

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निर्देश: नीचे दी गई जानकारी का ध्यानपूर्वक अध्ययन करें तथा इसके आधार पर प्रश्नों के उत्तर दें।
$P, Q, R, S, T, U$ और $V$ एक सात मंजिला ईमारत में भिन्न तलों पर रहते हैं, किन्तु समान क्रम में नहीं। सबसे निचले तल को 1 संख्या दी गयी उसके ऊपर के तल को 2 कहा गया और इसी प्रकार सबसे ऊपर के तल को 7 संख्या दी गया| वे सात भिन्न देशचीन, भारत, जापान, कनाडा, इंग्लैंड, ऑस्ट्रेलिया और रूस में रहते हैं, किन्तु समान क्रम में नहीं।
$P$ एक विषम संख्या के तल पर रहता है, किन्तु 3 तल पर नहीं रहता है । जो इंग्लैंड में रहता है $P$ के ठीक ऊपर वाले तल पर रहता है। केवल दो व्यक्ति $S$ और इंग्लैंड में रहने वाले व्यक्ति के मध्य रहते हैं। जो भारत में रहता है वह $S$ के तल से ऊपर, विषम तल पर रहता है। $R$ और भारत में रहने वाले व्यक्ति के मध्य तीन लोग रहते हैं। जापान में रहने वाला व्यक्ति, $R$ के ठीक ऊपर वाले तल पर रहता है। चीन में रहने वाला व्यक्ति, रूस में रहने वाले व्यक्ति के ठीक ऊपर रहता है। $V$ विषम संख्या के तल पर रहता है। Q और $T$ के मध्य केवल एक व्यक्ति रहता है। $\mathrm{Q}, \mathrm{T}$ के ऊपर रहता है। न तो R न ही P कनाडा में रहता है। T जापान में नहीं रहता है।
44. P निम्नलिखित में से किस देश में रहता है?
A. ऑस्ट्रेलिया
B. रूस
C. जापान
D. भारत
E. इनमें से कोई नहीं
45.व्यवस्था के संबंध में निम्नलिखित का कौन सा संयोजन सच है?
A. आस्ट्रेलिया - R
B. भारत - U
C. रूस - V
D. इंग्लैंड- S
E. कनाडा- Q
46.यदि सभी व्यक्तियों को शीर्ष से तल तक वर्णमाला के क्रम में बिठाया जाये, तो उनमें से कितने लोगों की स्थिति यथावत रहेगी?
A. चार
B. शून्य
C. दो
D. एक
E. तीन
47.दी गयी व्यवस्था के सन्दर्भ में कौन सा कथन सत्य है?
A. जो रूस में रहता है, वह $P$ के ठीक नीचे रहता है।
B. $U$ भारत में रहता है।


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C. S और V के मध्य केवल चार लोग रहते हैं।
D. $V, T$ के ठीक नीचे रहता हैं।
E. इनमें से कोई नहीं
48.संख्या 2 के तल पर कौन रहता हैं?
A. Q
B. T
C. S
D. $P$
E. U

निर्देश: निम्नलिखित जानकारी को ध्यानपूर्वक पढ़ें और नीचे दिए प्रश्नों के उत्तर दें:
बिंदु $A$, बिंदु $E$ के 6 कि.मी पूर्व में है। बिंदु $P$, बिंदु $E$ के उत्तर में 8 कि.मी दूर है। बिंदु $J$, बिंदु $P$ और बिंदु $E$ के ठीक मध्य में है। बिंदु $I$, बिंदु $J$ के दक्षिण से 10 कि.मी दूर है। बिंदु $M$, बिंदु $J$ के पूर्व में 3 कि.मी दूर है। बिंदु $N$, बिंदु $E$ और बिंदु $A$ के ठीक मध्य में है।
49. बिंदु $M$ और बिंदु $N$ के बीच दूरी क्या है?
A. 3कि.मी
B. 4 कि.मी
C. 5 कि.मी
D. 6 कि.मी
E. ज्ञात नहीं किया जा सकता
50. बिंदु $M$, बिंदु $I$ से किस दिशा में है?
A. उत्तर
B. दक्षिण
C. उत्तर-पूर्व
D. दक्षिण-पूर्व
E. इनमें से कोई नहीं

निर्देश: प्रश्न में कुछ कथनों के बाद कुछ निष्कर्ष दिए गए हैं। आपको दिए गए निष्कर्षों को ज्ञात तथ्यों से भिन्न होते हुए भी सत्य मानना है। सभी निष्कर्षों को ध्यानपूर्वक पढ़ें और निश्चय करें कि कौन सा निष्कर्ष दिए गए कथन का तर्कसंगत रुप से पालन करता है और तदनुसार अपना उत्तर दें।

## 51. कथन:

सभी जामुनी, नीले हैं।
कुछ नीले, हरे हैं।
सभी नारंगी, हरे हैं।
कोई जामुनी, नारंगी नहीं है।

## निष्कर्ष:

A) कुछ नीले, नारंगी हैं।
B) सभी जामुनी के हरे होने की संभावना है।
A. यदि केवल निष्कर्ष A) सत्य है
$B$. यदि केवल निष्कर्ष $B$ ) सत्य है
$C$. यदि या तो निष्कर्ष $A$ ) या $B$ ) सत्य है
D. यदि न तो निष्कर्ष $A$ ) न ही $B$ ) सत्य है
$E$. यदि निष्कर्ष $A$ ) और $B$ ) दोनों सत्य हैं

## 52.कथन:

कुछ $A, B$ हैं।
कुछ $C, B$ हैं।
कोई $\mathrm{C}, \mathrm{J}$ नहीं है।

## निष्कर्ष:

A) कुछ $B, J$ हैं।
B) सभी $B$ के $J$ होने की संभावना है।
A. यदि केवल निष्कर्ष A) सत्य है
B. यदि केवल निष्कर्ष $B$ ) सत्य है
C. यदि या तो निष्कर्ष $A$ ) या $B$ ) सत्य है
D. यदि न तो निष्कर्ष $A$ ) न ही $B$ ) सत्य है
$E$. यदि निष्कर्ष $A$ ) और $B$ ) दोनों सत्य हैं
53.शब्द 'Robbery' में अक्षरों के ऐसे कितने युग्म हैं, जिनमें से प्रत्येक में शब्द के बीच उतने ही अक्षर हैं जितने अंग्रेजी वर्णमाला में (आगे और पीछे दोनों ओर) हैं?
A. कोई नहीं
B. एक
C. दो
D. तीन
E. इनमें से कोई नहीं

निर्देश: निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन करें और तदनुसार प्रश्नों के उत्तर दें। $N, Y$ की माँ है। $B, D$ का पुत्र है। $C, N$ का भाई है। $N$ की केवल एक पुत्री है। $Y, D$ की बहन है। $P, D$ का पिता है। $D$ का विवाह $A$ से हुआ है।
54. $N, A$ से किस प्रकार संबंधित है?
A. सिस्टर-इन-लॉ
B. बहन
C. माँ
D. सास
E. इनमें से कोई नहीं
55.D, N से किस प्रकार संबंधित है ?
A. भाई
B. पुत्र
C. भतीजा
D. भतीजी
E. इनमें से कोई नहीं

निर्देश: निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन करें तथा तद्नुसार प्रश्नों के उत्तर दें।
सात व्यक्ति अर्थात् A, B, C, D, E, F और $G$ केंद्र की ओर मुख करके एक गोलाकार मेज की चारों ओर बैठे हैं। $F, C$ की बाईं ओर से दूसरे स्थान पर नहीं बैठा है। $B$ और $C$, निकटतम पड़ोसी नहीं हैं। $B$ और $G$ जो $E$ का एक निकटतम पड़ोसी नहीं है के बीच एक व्यक्ति बैठा है। $G$ और $D$ निकटतम पड़ोसी नहीं है। $G$ और $A$, जो $B$ का एक निकटतम पड़ोसी नहीं है के बीच दो व्यक्ति बैठे हैं। E और $B$ के बीच में दो व्यक्ति बैठे हैं।
56. $E$ की दाईं ओर से दूसरे स्थान पर कौन बैठता है?
A. D
B. $F$
C. B
D. G
E. इनमें से कोई नहीं
57.D की दाईं ओर से D और C के बीच कितने व्यक्ति बैठे हैं?
A. एक
B. चार
C. दो
D. तीन
E. इनमें से कोई नहीं
58.F का एक निकटतम पड़ोसी कौन है?
A. A
B. G
C. D
D. C
E. इनमें से कोई नहीं
59. सही कथन ज्ञात करें।
A. A और E निकटतम पड़ोसी नहीं हैं
B. D, $F$ की दाईं ओर से दूसरे स्थान पर बैठता है
C. $E$ और $F$ एक-दूसरे के विपरीत बैठे हैं
D. $G, E$ की ठीक दाईं ओर बैठता है
E. कोई सही नहीं है।
60.विषम का चयन करें।
A. D, F
B. $E, D$
C. A, G
D. $G, B$
E. A, B

## ANSWERS

1. Ans. A.
$900 \%$ of $5 \div 300 \%$ of $2.5=?^{2}+2$
$\Rightarrow \frac{900}{100} \times 5 \div \frac{300}{100} \times 2.5=?^{2}+2$
$\Rightarrow 45 \div 7.5=?^{2}+2$
$\Rightarrow 6=?^{2}+2$
$\Rightarrow ?^{2}=6-2$
$\Rightarrow ?^{2}=4$
$\Rightarrow$ ? $=2$
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 ? $=54$
$\Rightarrow$ ? $=(54 \times 100) / 30=180$
4. Ans. A.
$?=4^{2}-5^{2}+6^{2}=16-25+36=27$.
5. Ans. C.
$8 \frac{3}{13}+1 \frac{11}{13}+7 \frac{12}{13}+5 \frac{7}{13}=?+4 \frac{7}{13}$
$\Rightarrow \frac{107}{13}+\frac{24}{13}+\frac{103}{13}+\frac{72}{13}=?+\frac{59}{13}$
$\Rightarrow \frac{107+24+103+72-59}{13}=$ ?
$\Rightarrow \frac{247}{13}=$ ?
$\Rightarrow$ ? $=19$
6. Ans. B.

| Colleges | Number of <br> students <br> who <br> participated <br> in quiz | Number of <br> students who <br> did not <br> participate in <br> quiz | Total number of <br> 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 | $\frac{350}{7} \times 9=450$ | $350+450=800$ |

Referring to the data calculated in common solution, we get

The total number of students in college $\mathrm{O}=495$
Hence, option B is correct.
7. Ans. A.

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

The number of students who did not participated in quiz from college $\mathrm{N}=$ 400
The number of students who did not participated in quiz from college $\mathrm{P}=$ 450
Required difference $=450-400=50$
Hence, option A is correct.
8. Ans. D.

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

The required ratio $=280: 350=4: 5$
Hence, option D is correct.
9. Ans. C.


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

The number of girls in college $\mathrm{N}=300$ 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 <br> students <br> who <br> participated <br> in quiz | Number of <br> students who <br> did not <br> participate in <br> quiz | Total number of <br> students |
| :---: | :---: | :---: | :---: |
| M | 240 | $\frac{240}{6} \times 7=280$ | $240+280=520$ |
| N | 320 | $\frac{320}{4} \times 5=400$ | $320+400=720$ |
| $\mathbf{O}$ | 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:
$7+(4 \times 1)=11$
$11+(4 \times 3)=23$
$23+(4 \times 7)=51$
$51+(4 \times 13)=103$
$103+(4 \times 21)=187$
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 $=\frac{p r^{2}}{(100)^{2}}$
$60=\frac{24000 r^{2}}{(100)^{2}}$
$\Rightarrow r^{2}=\frac{60 \times 100 \times 100}{24000}=25$
$\Rightarrow r=5 \%$
18. Ans. C.

Let the investment of $A$ be Rs. $5 x$
Investment of $B=$ Rs. $4 x$
Ratio of profits earned by $A$ and $B=$ $5 x \times 9$ : $4 x \times 12=45 y: 48 y$
Difference of profits earned = Rs. 5700 $=48 y-45 y \Rightarrow y=$ Rs. 1900
Total profit earned by them $=48 y+$ $45 y=1900 \times 93=$ Rs. $1,76,700$
Hence, the answer is option C.
19. Ans. E.

Let the required time be $P$ days, then
$4(3 m+4 w)=5(8 m+15 w)=(13 w) x$
P
 P
$\Rightarrow 48 \mathrm{~m}+64 \mathrm{w}=40 \mathrm{~m}+75 \mathrm{w}$
$\Rightarrow 8 \mathrm{~m}=11 \mathrm{w}$
So,
$\Rightarrow 48 \mathrm{~m}+64 \mathrm{w}=13 \mathrm{w} \times \mathrm{P}$
$\Rightarrow 66 \mathrm{w}+64 \mathrm{w}=13 \mathrm{w} \times \mathrm{P}$
$\Rightarrow 130 \mathrm{w}=13 \mathrm{w} \times \mathrm{P}$
$\Rightarrow P=10$
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 $=60 \times 2=120$ km/hr
Average speed of Raj= $(4 / 5) \times 120=$ 96 km/hr
Hence, the distance covered by Raj in 4 hours $=4 \times 96=384 \mathrm{~km}$

## 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 $\mathbf{A}$ is the right answer choice.
22. Ans. C.

Refer to the $2^{\text {nd }}$ 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


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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 $3^{\text {rd }}$ 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 $\mathbf{E}$ is the right answer choice.

## 24. Ans. B.

Refer to the $4^{\text {th }}$ paragraph, the hint can be drawn from the lines, The Institute for Fiscal Studies report showing that ethnic minorities are underrepresented 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 underrepresentation. 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 underrepresented 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.

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## 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 $4^{\text {th }}$ 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


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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 $1^{\text {st }}$ 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
$\mathrm{D} \leq \mathrm{A} \leq \mathrm{B}<\mathrm{C} \leq \mathrm{F}$
$\mathrm{D} \leq \mathrm{A} \leq \mathrm{B}<\mathrm{C}$ (True)
$\mathrm{D} \leq \mathrm{A} \leq \mathrm{B}<\mathrm{C} \leq \mathrm{F}$ (not true)


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Hence, option A is the right answer.
42. Ans. B.

Statements: $\mathrm{E}=\mathrm{A}<\mathrm{D} \geq \mathrm{B}>\mathrm{F}=\mathrm{C}$
The conclusion $I$ do not hold true from $E=A<D \geq B$ since $E$ cannot be compared with $B$.
From $\mathrm{D} \geq \mathrm{B}>\mathrm{F}=\mathrm{C}$ we can evaluate:
$B>C$ and $D \geq B$ hence $D>C$ so conclusion II holds true.
43. Ans. D.
$A>B, P \geq L=S$
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)

| Floor | CASE 1 person |  | country |
| :---: | :---: | :---: | :---: |
| 7 |  |  | India |
| 6 |  |  | China |
| 5 | S |  | Russia |
| 4 |  |  | Japan |
| 3 | R |  | Australia |
| 2 |  |  | England |
| 1 | P |  | Canada |
| Case 1 will be elim |  |  |  |
| doesnot belong to the statement and |  |  |  |
| option for canada. |  |  |  |
| So, we conclude: |  |  |  |
| 7 | V | Ca | ada |
| 6 | Q |  | gland |
| 5 | P | Ind |  |
| 4 | T | Chi | na |
| 3 | S | Rus | ssia |
| 2 | U | Jap |  |
| 1 | R | Aus | stralia |

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.


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

|  |  | CASE 1 |  | CASE 2 |
| :--- | :--- | :--- | :--- | :--- |
| Floor | person | Country <br> 7 |  | person |
| India | Country |  |  |  |
| 6 |  | China | Q | Canada |
| 5 | S | Russia | P | Indiand |
| 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 |

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)

|  | 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 |

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.
- T doesn't live in Japan.
(There will be 2 cases $S$ either lives on floor number 5 or floor number 3)

CASE 1

| 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 |

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

| 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 |

49. Ans. B.


Clearly, the required distance is $\mathrm{MN}=$ PE - JE.
$\mathrm{MN}=8 \mathrm{~km}-4 \mathrm{~km}=4 \mathrm{~km}$.


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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:
' $\mathrm{B}^{\prime}$ has no relation with ' J '. Therefore, conclusion a) does not follow.
' B ' is related to ' $\mathrm{C}^{\prime}$ which can not be part of ' $J$ '. Therefore, part of ' $B$ ' which is ' $\mathrm{C}^{\prime}$ 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 $B$.


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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


E

E
5) $G$ and $D$ are not immediate neighbors.

Case 1


Case 2


E
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 $B$.

Case 1


Case 2

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

Case 1

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


E
5) $G$ and $D$ are not immediate neighbors.

Case 1


E

Case 2

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


Therefore, option $C$ is the correct answer.
58. 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.


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Case 1
Case 2

5) $G$ and $D$ are not immediate neighbors.

Case 1


## Case 2



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


E
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

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



E

Case 2

5) $G$ and $D$ are not immediate neighbors.


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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 $B$.

Case 1
Case 2

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.

Case 1
Case 2


E

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


Therefore, option $C$ is the correct answer.


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