

# Prepp

## Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

# SBI Clerk 2019 (Prelims) Memory-Based Test (22-Jun-2019) (Shift 2)

Total Time: 1 Hour

Total Marks: 100

## Instructions

1. Test will auto submit when the Time is up.
2. The Test comprises of multiple choice questions (MCQ) with one or more correct answers.
3. The clock in the top right corner will display the remaining time available for you to complete the examination.

## Navigating & Answering a Question

1. The answer will be saved automatically upon clicking on an option amongst the given choices of answer.
2. To deselect your chosen answer, click on the clear response button.
3. The marking scheme will be displayed for each question on the top right corner of the test window.

Your Personal Exams Guide

## English Language

1. Read the passage given below and answer the following questions. Some words have been highlighted in the passage for your attention. (+1, -0.25)

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer, smartphone or tablet. This is where devices come in. All devices no matter which ones we will use in the future will need to access the cloud. Each student will have their own. Either a device specified by the school or one they have chosen to bring in themselves. School classrooms are going to change. With the cloud, the world will be our classroom. E-learning will change teaching and learning. Students can learn from anywhere and teachers can teach from anywhere. The cloud can also encourage independent learning. Teachers could adopt a flipped classroom approach more often. Students will take ownership of their own learning. Teachers can put resources online for students to use. These could be videos, documents, audio podcasts or interactive images. All these resources can be accessed via a student's computer, smartphone or tablet. As long as they have an internet connection either via Wi-Fi, 3G, or 4G they are good to go. Rather than being 'taught' students can learn independently and in their own way. There is also a massive amount of resources online that students can find and use themselves, without the help of the teacher. This, of course, means the role of the teacher will change. What we must remember is that when schools adopt new technology and services, they must be evaluated. This way, as a school, you know if they are successful and what improvements are needed. Staff will

also need training; you can't expect staff to use new technology if they are not confident users or creators. Any initiative is doomed to failure without well trained, confident staff who can see how technology can support and benefit teaching and learning. Plenty of schools have already embraced this, but there's still a long way to go to ensure all schools are ready for the future of technology. It is time for all schools to embrace the cloud.

What does the author mean by the sentence, "The future of technology in education is the cloud."?

- a. Cloud computing will change the nature of education.
- b. The education sector will be terribly hit by the monsoon.
- c. The education sector is facing some dark times.
- d. The education sector has come up with huge plans that might not come true.
- e. None of these.

2. Read the passage given below and answer the following questions. Some words have been highlighted in the passage for your attention. (+1, -0.25)

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer,

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According to the passage, which of the following statements is true?

- a. Education in the future will be more accessible locally and globally.
- b. Teaching and learning will become more social and interactive.
- c. Schools in future will have students who attend physically and online students spread all over the world.

- d. Massive open online courses are the first step in this change.
- e. All of these.

3. Read the passage given below and answer the following questions. Some (+1, -0.25)

words have been highlighted in the passage for your attention.

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer, smartphone or tablet. This is where devices come in. All devices no matter which ones we will use in the future will need to access the cloud. Each student will have their own. Either a device specified by the school or one they have chosen to bring in themselves. School classrooms are going to change. With the cloud, the world will be our classroom. E-learning will change teaching and learning. Students can learn from anywhere and teachers can teach from anywhere. The cloud can also encourage independent learning. Teachers could adopt a flipped classroom approach more often. Students will take ownership of their own learning. Teachers can put resources online for students to use. These could be videos, documents, audio podcasts or interactive images. All these resources can be accessed via a student's computer, smartphone or tablet. As long as they have an internet connection either via Wi-Fi, 3G, or 4G they are good to go. Rather than being 'taught' students can learn independently and in their own way. There is also a massive amount of resources online that students can find and use themselves, without the help of the teacher. This,

of course, means the role of the teacher will change. What we must remember is that when schools adopt new technology and services, they must be evaluated. This way, as a school, you know if they are successful and what improvements are needed. Staff will also need training; you can't expect staff to use new technology if they are not confident users or creators. Any initiative is doomed to failure without well trained, confident staff who can see how technology can support and benefit teaching and learning. Plenty of schools have already embraced this, but there's still a long way to go to ensure all schools are ready for the future of technology. It is time for all schools to embrace the cloud.

What, according to the passage, might be the reason that might lead the doom of this initiative?

- a. The lack of servers and other facilities might hinder the success of this change.
- b. There are people resisting this change in favor of the older model of education.
- c. An ill-trained and under-confident staff of teachers who do not see the benefits of online education.
- d. None of these.
- e. All of these.

4. Read the passage given below and answer the following questions. Some words have been highlighted in the passage for your attention. (+1, -0.25)

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of

technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer, smartphone or tablet. This is where devices come in. All devices no matter which ones we will use in the future will need to access the cloud. Each student will have their own. Either a device specified by the school or one they have chosen to bring in themselves. School classrooms are going to change. With the cloud, the world will be our classroom. E-learning will change teaching and learning. Students can learn from anywhere and teachers can teach from anywhere. The cloud can also encourage independent learning. Teachers could adopt a flipped classroom approach more often. Students will take ownership of their own learning. Teachers can put resources online for students to use. These could be videos, documents, audio podcasts or interactive images. All these resources can be accessed via a student's computer, smartphone or tablet. As long as they have an internet connection either via Wi-Fi, 3G, or 4G they are good to go. Rather than being 'taught' students can learn independently and in their own way. There is also a massive amount of resources online that students can find and use themselves, without the help of the teacher. This, of course, means the role of the teacher will change. What we must remember is that when schools adopt new technology and services, they must be evaluated. This way, as a school, you know if they are successful and what improvements are needed. Staff will also need training; you can't expect staff to use new technology if they are not confident users or creators. Any initiative is doomed to failure without well trained, confident staff who can see how technology can support and benefit teaching and learning. Plenty of schools have already embraced this, but there's still a long way to go to ensure all schools are ready for the future of technology. It is time for all schools to embrace the cloud.

Give a suitable title to the passage.

- a. Cloud computing: The new era of global education
- b. Training the future teachers
- c. Advantages of cloud computing in education
- d. Served by servers: An online approach to education
- e. Education in the cloud.

5. Read the passage given below and answer the following questions. Some words have been highlighted in the passage for your attention. (+1, -0.25)

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer, smartphone or tablet. This is where devices come in. All devices no matter which ones we will use in the future will need to access the cloud. Each student will have their own. Either a device specified by the school or one they have chosen to bring in themselves. School classrooms are going to change. With the cloud, the world will be our classroom. E-learning will change teaching and learning. Students can learn from anywhere and teachers can teach from anywhere. The cloud can also encourage independent learning. Teachers could adopt a flipped classroom approach more often. Students will take ownership of their own learning. Teachers can put resources online for students to use. These could be videos, documents, audio podcasts or interactive images. All these resources can

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How are the school classrooms going to change?

- a. The classrooms will span all over the world because of internet.
- b. The students will be able to learn from anywhere in the world.
- c. Teachers will be able to teach from anywhere in the world.
- d. 1, 2, and 3.
- e. None of the above.

- 
6. Read the passage given below and answer the following questions. Some words have been highlighted in the passage for your attention. (+1, -0.25)

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the

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Choose a suitable antonym for the given word.

MASSIVE

- a. Puny
- b. Humungous
- c. Medium
- d. Elaborate
- e. None of the above

7. Read the passage given below and answer the following questions. Some (+1, -0.25)

words have been highlighted in the passage for your attention.

The future is about access, anywhere learning and collaboration, both locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer, smartphone or tablet. This is where devices come in. All devices no matter which ones we will use in the future will need to access the cloud. Each student will have their own. Either a device specified by the school or one they have chosen to bring in themselves. School classrooms are going to change. With the cloud, the world will be our classroom. E-learning will change teaching and learning. Students can learn from anywhere and teachers can teach from anywhere. The cloud can also encourage independent learning. Teachers could adopt a flipped classroom approach

more often. Students will take ownership of their own learning. Teachers can put resources online for students to use. These could be videos, documents, audio podcasts or interactive images. All these resources can be accessed via a student's computer, smartphone or tablet. As long as they have an internet connection either via Wi-Fi, 3G, or 4G they are good to go. Rather than being 'taught' students can learn independently and in their own way. There is also a massive amount of resources online that students can find and use themselves, without the help of the teacher. This, of course, means the role of the teacher will change. What we must remember is that when schools adopt new technology and services, they must be evaluated. This way, as a school, you know if they are successful and what improvements are needed. Staff will also need training; you can't expect staff to use new technology if they are not confident users or creators. Any initiative is doomed to failure without well trained, confident staff who can see how technology can support and benefit teaching and learning. Plenty of schools have already embraced this, but there's still a long way to go to ensure all schools are ready for the future of technology. It is time for all schools to embrace the cloud.

Choose a suitable synonym for the given word.

ENSURE

- a. Pressure
- b. Assure
- c. Lure
- d. Procure
- e. None of the above

- 
8. Read the passage given below and answer the following questions. Some words have been highlighted in the passage for your attention. (+1, -0.25)
- The future is about access, anywhere learning and collaboration, both

locally and globally. Teaching and learning are going to be social and interactive. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world. Things are already starting to move this way with the emergence of massive open online courses (MOOCs). The future of technology in education is the cloud. Schools will only need one major thing to be prepared for the future. They will not need software installed, servers or local file storage. Schools will need a fast-robust internet connection. Infrastructure is paramount to the future of technology in education. Teachers can use the cloud to set, collect and grade work online. Students will have instant access to grades, comments and work via a computer, smartphone or tablet. This is where devices come in. All devices no matter which ones we will use in the future will need to access the cloud. Each student will have their own. Either a device specified by the school or one they have chosen to bring in themselves. School classrooms are going to change. With the cloud, the world will be our classroom. E-learning will change teaching and learning. Students can learn from anywhere and teachers can teach from anywhere. The cloud can also encourage independent learning. Teachers could adopt a flipped classroom approach more often. Students will take ownership of their own learning. Teachers can put resources online for students to use. These could be videos, documents, audio podcasts or interactive images. All these resources can be accessed via a student's computer, smartphone or tablet. As long as they have an internet connection either via Wi-Fi, 3G, or 4G they are good to go. Rather than being 'taught' students can learn independently and in their own way. There is also a massive amount of resources online that students can find and use themselves, without the help of the teacher. This, of course, means the role of the teacher will change. What we must remember is that when schools adopt new technology and services, they must be evaluated. This way, as a school, you know if they are successful and what improvements are needed. Staff will also need training; you can't expect staff to use new technology if they are not confident users or creators. Any initiative is doomed to failure without well trained, confident staff who can see how technology can support and benefit teaching and learning. Plenty of schools have already embraced this, but there's still a

long way to go to ensure all schools are ready for the future of technology.  
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Choose a suitable synonym for the given word.

ADOPT

- a. Deny
- b. Accept
- c. Affect
- d. Attempt
- e. None of the above

---

9. Fill in the blank with the appropriate word. (+1, -0.25)

He is one of the best and \_\_\_\_\_ teachers that the school ever had.

- a. great
- b. most hard-working
- c. more hard-working
- d. hard-working
- e. None of the above.

---

10. Fill in the blank with the appropriate word. (+1, -0.25)

No \_\_\_\_\_ than fifty girls took part in the dance competition for the University's anniversary celebration.

- a. Lesser
- b. Less
- c. Fewer
- d. Below
- e. None of the above.

---

11. Fill in the blank with the appropriate word. (+1, -0.25)

Before long, we will all be old and realize that health is  
----- to wealth.

- a. Preferable
- b. More preferable
- c. The most preferable
- d. Much preferable
- e. None of the above.

---

12. Fill in the blank with the appropriate word. (+1, -0.25)

I think that the ----- the sweetest of all flowers.

- a. Rose was
- b. Roses are
- c. Rose is
- d. Roses were

e. Roses have been

---

13. Fill in the blank with the appropriate word.

(+1, -0.25)

Reputation was the one thing that she \_\_\_\_\_ without merit and lost without fault.

- a. Left
  - b. Given
  - c. Got
  - d. Taken
  - e. Accepted
- 

14. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any.

(+1, -0.25)

The aforementioned position (1) / was to be close for the (2) / candidates possessing a (3) / score of 160 or lower. (4) / No error 5)

- a. 1
  - b. 2
  - c. 3
  - d. 4
  - e. No Error
-

15. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

The cold mist have (1) / engulfed the entire town (2) / as if reclaimed in (3) / its own parallel dimension. (4) /

- a. 1
- b. 2
- c. 3
- d. 4
- e. No Error

16. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

Try hard as he might, (1) / Alvira knew her brother (2) / could never hoped to (3) / regain his health. (4) /

- a. 1
- b. 2
- c. 3
- d. 4
- e. No Error

17. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

Little does the King (1) / know that an evil plan (2) / was already being hatched in his (3) / palace at that moment. (4)

- a. 1
- b. 2
- c. 3
- d. 4
- e. No error

- 
18. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

He was aware (1) / that the oath he (2) / had taken was soon to (3) / be proven to disastrous.(4) / No error (5)

- a. 1
- b. 2
- c. 3
- d. 4
- e. No Error

19. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

Had they had seen (1) / us misappropriate their (2) / belongings they would (3) / have been enraged. (4)

- a. 1
- b. 2
- c. 3
- d. 4
- e. No error

20. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

The raging storm (1) / followed the man, (2) / inevitable swallowing up (3) / everything in its path. (4)

- a. 1
- b. 2
- c. 3
- d. 4
- e. No error

21. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

The actual legal (1)/ responsibilities may vary (2)/ among jurisdictions and (3)/ are seldom if never clear.(4)

- a. 1
- b. 2
- c. 3
- d. 4
- e. No error

22. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

Had Rekha not (1)/ discouraged me I may (2)/ have sung a song or (3) /two at your wedding. (4)/

- a. 1
- b. 2
- c. 3
- d. 4
- e. No Error

23. Read the sentence to find out whether there is an error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any. (+1, -0.25)

If we have players like / (1) Ronaldo in our team, we / (2) would have qualified for / (3) the FIFA World Cup long ago. / (4)

- a. 1
- b. 2
- c. 3
- d. 4
- e. No error

- 
24. Rearrange the following sentences/group of sentences (A), (B), (C), (D), (E) and in the proper sequence to form a meaningful paragraph then answer the question given below. (+1, -0.25)

- A. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.
- B. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa.
- C. It had been a long tiring week for Daisy.
- D. She was angry at her for asking her to stay back.
- E. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

Which of the following would be the SECOND sentence after rearrangement?

- a. A
- b. B

- c. C
  - d. D
  - e. E
- 

25. Rearrange the following sentences/group of sentences (A), (B), (C), (D), (E) and in the proper sequence to form a meaningful paragraph then answer the question given below. (+1, -0.25)

- A. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.
- B. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa.
- C. It had been a long tiring week for Daisy.
- D. She was angry at her for asking her to stay back.
- E. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

Which of the following would be the FIRST sentence after rearrangement?

- a. A
  - b. C
  - c. D
  - d. B
  - e. E
- 

26. Rearrange the following sentences/group of sentences (A), (B), (C), (D), (E) and in the proper sequence to form a meaningful paragraph then answer the question given below. (+1, -0.25)

- A. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.
- B. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa.
- C. It had been a long tiring week for Daisy.
- D. She was angry at her for asking her to stay back.
- E. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

Which of the following would be the THIRD sentence after rearrangement?

- a. A
- b. C
- c. B
- d. D
- e. E

27. Rearrange the following sentences/group of sentences (A), (B), (C), (D), (E) and in the proper sequence to form a meaningful paragraph then answer the question given below. (+1, -0.25)
- A. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.
  - B. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa.
  - C. It had been a long tiring week for Daisy.
  - D. She was angry at her for asking her to stay back.
  - E. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

Which of the following would be the FIFTH sentence after rearrangement?

- a. A
- b. C
- c. B
- d. E
- e. D

28. Rearrange the following sentences/group of sentences (A), (B), (C), (D), (E) and in the proper sequence to form a meaningful paragraph then answer the question given below. (+1, -0.25)

- A. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.
- B. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa.
- C. It had been a long tiring week for Daisy.
- D. She was angry at her for asking her to stay back.
- E. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

Which of the following would be the FOURTH sentence after rearrangement?

- a. A
- b. B
- c. D
- d. C

e. E

- 
29. In the following sentence, four words or phrases have been printed in bold. (+1, -0.25)  
One bold part of the sentence is not acceptable in Standard English. Pick up that part and mark its number. If there are no errors in the bold parts, mark (E) i.e. No error as the answer.

The prince(1) was taken(2) aback but he didn't dare(3) to enrage(4) his father.

- a. 1
- b. 2
- c. 3
- d. 4
- e. No error

- 
30. In the following sentence, four words or phrases have been printed in bold. (+1, -0.25)  
One bold part of the sentence is not acceptable in Standard English. Pick up that part and mark its number. If there are no errors in the bold parts, mark (E) i.e. No error as the answer.

As per the reports, the financial (1) strain faced by the company (2) is just a temporary phase (3) and the company is likely to prosper (4) shortly.

- a. 1
- b. 2
- c. 3

d. 4

e. No error

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Your Personal Exams Guide

## Numerical Ability

31. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$34500 \div 460 \div 25 = ?$$

- a. 800
- b. 3
- c. 23.5
- d. 0.33
- e. None of these

- 
32. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$199 + 53 \div 4 \times 42 = ?$$

- a. 969
- b. 655
- c. 966
- d. 799
- e. None of these

- 
33. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$196 + 42 \times 11 - 171 = ?$$

- a. 423
- b. 487
- c. 427
- d. 421
- e. None of these

34. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$2\frac{1}{9} \times 2\frac{2}{19} \div 6\frac{2}{3} = ? - 1\frac{1}{2}$$

- a.  $1\frac{5}{6}$
- b.  $2\frac{1}{6}$
- c.  $3\frac{1}{2}$
- d.  $2\frac{1}{2}$
- e.  $2\frac{5}{6}$

35. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$15 + \left\{ \left( 2\frac{4}{7} \times 5\frac{4}{2} \right) \div \left( 6\frac{2}{9} \times 2\frac{4}{7} \right) \right\} = ?$$

- a. 153
- b.  $129/8$

c.  $160/8$

d.  $65/4$

e.  $145/8$

---

36. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$46 + 25\% \text{ of } (? + 1289) = 1340$$

a. 3880

b. 3887

c. 8387

d. 3778

e. None of these

---

37. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$36\% \text{ of } 450 + ?\% \text{ of } 350 = 463$$

a. 98

b. 100

c. 86

d. 76

e. None of these

---

38. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$15 \times 184 + 27 - 59 = ? + 156/12$$

- a. 2175
- b. 2517
- c. 2715
- d. 3000
- e. 2500

39. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$3780 \div 14 \times 15 + 340 = ?$$

- a. 3500
- b. 4580
- c. 3525
- d. 4390
- e. 5400

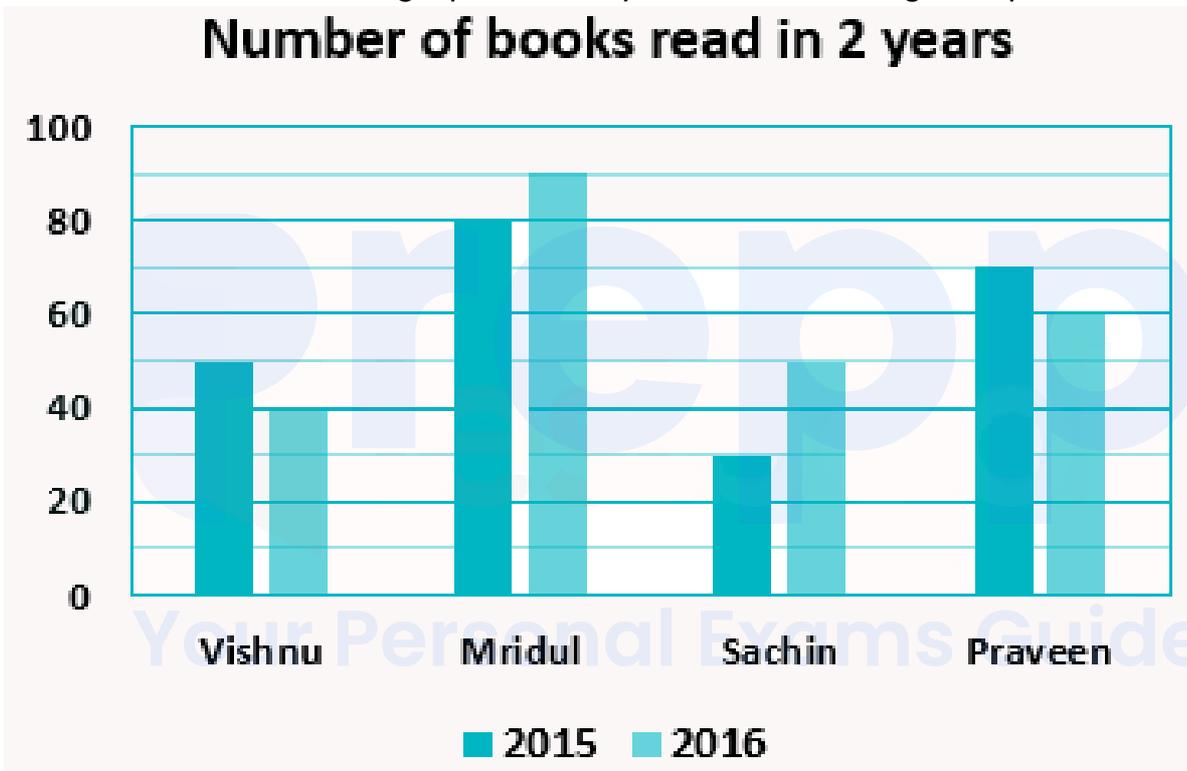
40. What should come in place of the question mark (?) in the following question? (+1, -0.25)

$$55 + 8 \times 0.75 - 12 = ?$$

- a. 22

- b. 36
- c. 49
- d. 56
- e. None of these

41. Directions: Read the bar graph carefully and answer the given questions. (+1, -0.25)

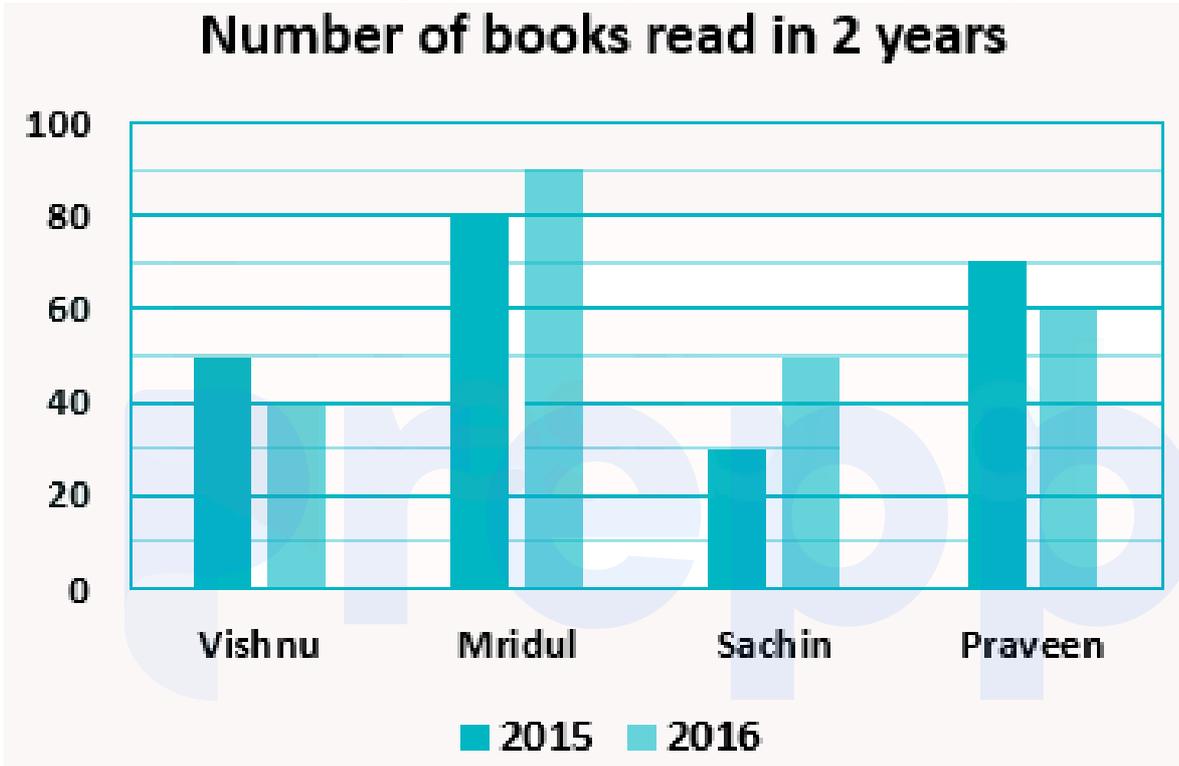


Total number of books read by Sachin and Mridul in both the years is how much more or less than the total number of books read by Praveen and Vishnu in both the years?

- a. 30 More
- b. 30 Less
- c. 50 More

- d. 50 Less
- e. None of the above

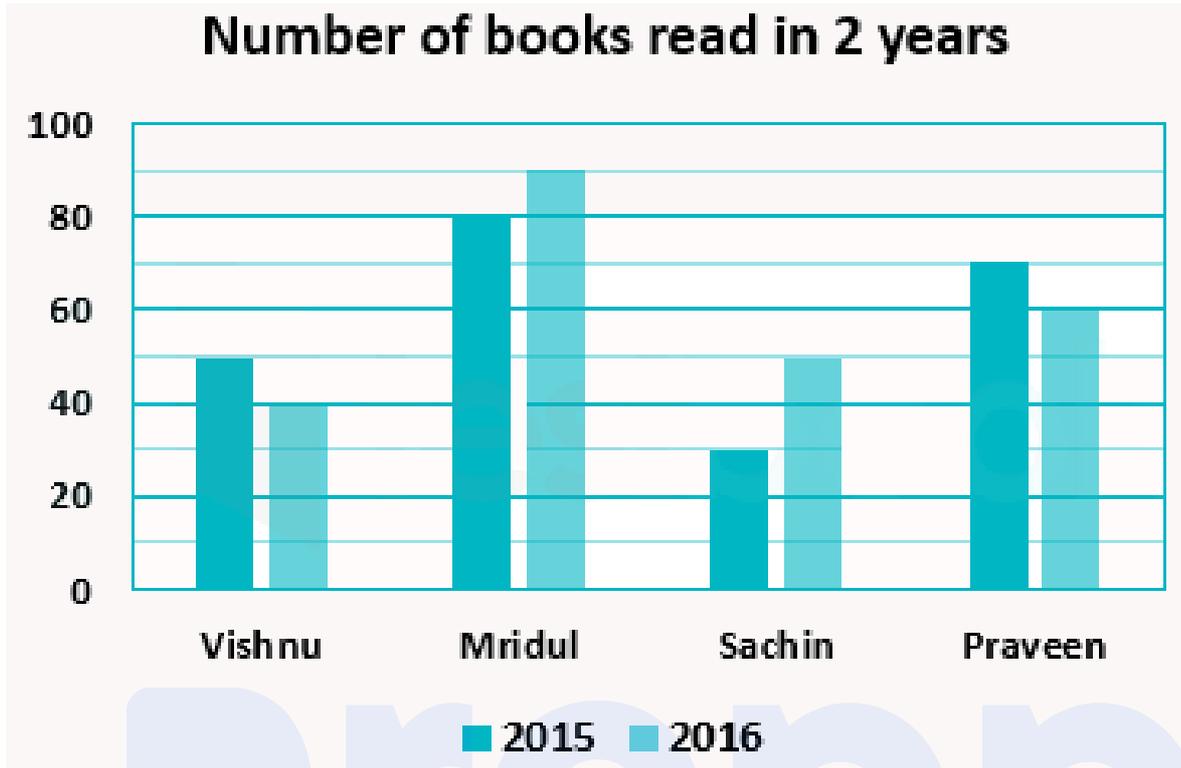
42. Directions: Read the bar graph carefully and answer the given questions. (+1, -0.25)



What is the sum of all the books read by all of them in both the years ?

- a. 470
- b. 450
- c. 500
- d. 490
- e. 460

43. Directions: Read the bar graph carefully and answer the given questions. (+1, -0.25)

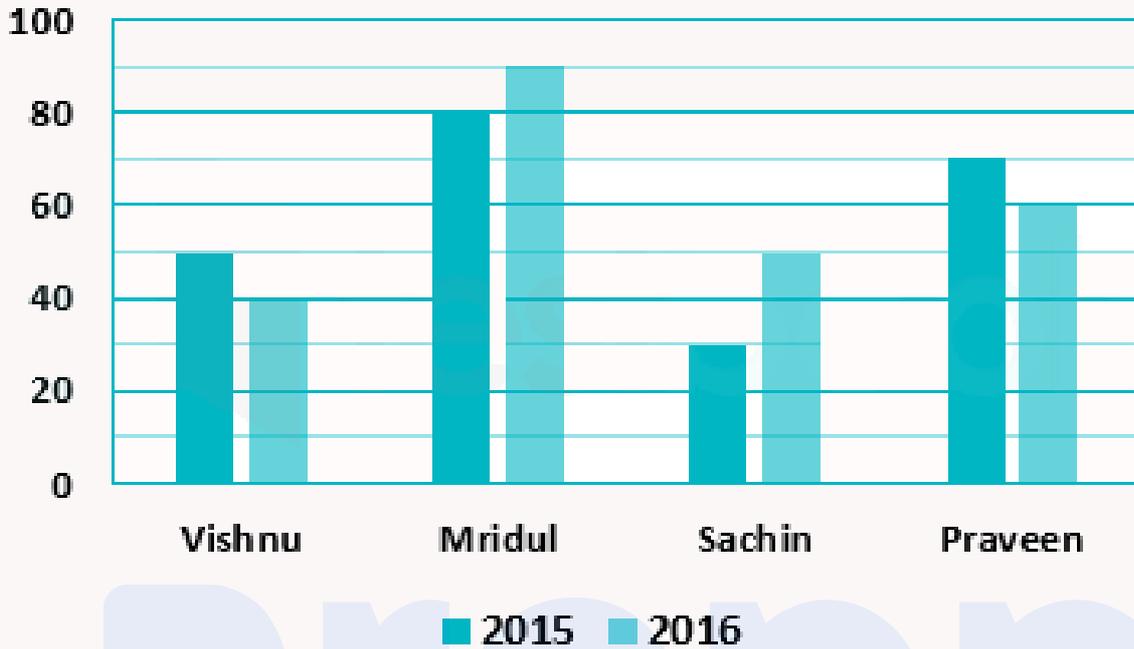


Books read by Praveen in the year 2015 is what percent more or less than the number of books read by Mridul in the year 2015 ?

- a. 15%
- b. 10%
- c. 12.50%
- d. 40%
- e. 20%

44. Directions: Read the bar graph carefully and answer the given questions. (+1, -0.25)

### Number of books read in 2 years

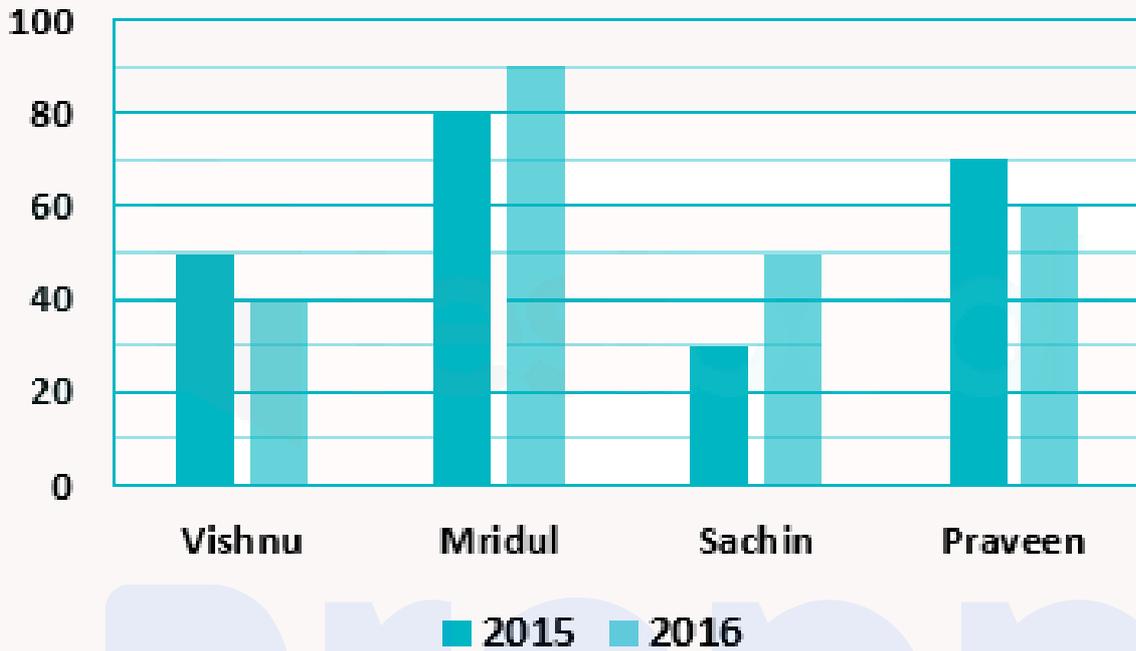


What is the average of total number of books read by all of them in the year 2016?

- a. 50
- b. 60
- c. 40
- d. 45
- e. 55

45. Directions: Read the bar graph carefully and answer the given questions. (+1, -0.25)

### Number of books read in 2 years



Find the ratio of sum of number of books read by Vishnu and Mridul together in 2015 to the sum of number of books read by Sachin and Praveen together in 2015.

- a. 13 : 10
- b. 6 : 5
- c. 3 : 4
- d. 5 : 3
- e. 7 : 5

46. An amount is to be distributed among Abhishek and Pritha in the ratio of 5: 7. If Abhishek gets Rs. 2000 less than Pritha, then find the Abhishek's share. (+1, -0.25)

- a. 3000

- b. 5000
  - c. 6000
  - d. 7000
  - e. 4000
- 

47. A white car running at a speed of 72 km/hr is approaching a black car at a speed of 54 km/hr from a distance of 32 m behind. In how much time will it cross the black car? (+1, -0.25)

- a. 3.6 sec.
  - b. 4.8 sec.
  - c. 5.5 sec.
  - d. 6.4 sec.
  - e. 7.2 sec.
- 

48. At what per cent above the cost price must Atul mark his goods so that he gains 20% after giving a discount of 25%? (+1, -0.25)

- a. 48%
  - b. 35%
  - c. 49%
  - d. 32%
  - e. None of these
-

49. A boat takes 6 hours less to travel a distance downstream than to travel the same distance upstream. If the speed of the boat in still water is 9 km/hr and speed of stream is 3 km/hr, Find the total distance covered by the boat. (+1, -0.25)
- a. 150 km
  - b. 144 km
  - c. 140 km
  - d. 134 km
  - e. None of these
- 

50. The ratio of the A's present age and B's age 4 years ago is 7 : 8. After 8 years, ratio of age of A to that of B is 9 : 11. Find the present age of B. (+1, -0.25)
- a. 36 years
  - b. 23 years
  - c. 24 years
  - d. 25 years
  - e. 26 years
- 

51. In a 40 lt mixture of milk and water, the ratio of milk and water is 4 : 1. If 20 lt of the mixture was taken out and 10 liters of water is added. Find the quantity of water in the new mixture. (+1, -0.25)
- a. 26
  - b. 24

- c. 14
  - d. 15
  - e. None of these
- 

52. A and B entered into a partnership with capital in the ratio of 5 : 6. After 6 months, C joined the business with half of the capital than B. If at the end of the year, the share of A in total profit is Rs. 2400, then find the total profit earned by C. (+1, -0.25)

- a. Rs. 720
  - b. Rs. 2880
  - c. Rs. 960
  - d. Rs. 1120
  - e. None of these
- 

53. The difference between the Compound Interest on a certain sum of money at 20% for second year and first year is Rs. 1200. Find the sum. (+1, -0.25)

- a. Rs. 25000
  - b. Rs. 30000
  - c. Rs. 50000
  - d. Rs. 5000
  - e. None of these
-

54. The average age of 18 people is 25 years. After including 3 more persons, the average age is increased by 3 years. Find the average age of 3 new persons? (+1, -0.25)
- a. 42 years
  - b. 48 years
  - c. 46 years
  - d. 54 years
  - e. 36 years

55. The length and the breadth of a rectangle is in the ratio of 2:3. If the area of the rectangle is  $96\text{cm}^2$ . Find its perimeter. (+1, -0.25)
- a. 24 cm
  - b. 40 cm
  - c. 160 cm
  - d. 56 cm
  - e. None of these

56. Find the missing number in the series (+1, -0.25)
- 2.5, 5, 15, 60, ?, 1800
- a. 180
  - b. 220
  - c. 420

- d. 300
  - e. None of these
- 

57. Find the missing number in the series (+1, -0.25)

4, 3, 4, 9, 32, ?

- a. 205
  - b. 165
  - c. 175
  - d. 155
  - e. 145
- 

58. Find the missing number in the series (+1, -0.25)

343, 729, 1331, 2197, ?

- a. 2725
  - b. 2250
  - c. 3025
  - d. 3375
  - e. 3125
- 

59. Find the missing number in the series (+1, -0.25)

100, 150, 300, 750, ?

- a. 1500
- b. 2250
- c. 3000
- d. 2000
- e. 1800

---

60. Find the missing number in the series

(+1, -0.25)

55, 50, ?, 25, 5, -20

- a. 40
- b. 35
- c. 30
- d. 45
- e. 50

Your Personal Exams Guide

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61. In each of these questions, two equations are given.

(+1, -0.25)

You need to solve these equations and find out the value of x and y and give an answer

I)  $x^2 + 16x + 48 = 0$  II)  $y^2 + 21y + 38 = 0$

- a. if  $x > y$
- b. if  $x \geq y$
- c. if  $x < y$

d.  $x \leq y$

e. if  $x = y$  or the relationship cannot be established.

---

62. In each of these questions, two equations are given. (+1, -0.25)

You need to solve these equations and find out the value of  $x$  and  $y$  and give an answer

I)  $x^2 - 16x + 63 = 0$  II)  $y^2 - 44y + 84 = 0$

a. if  $x < y$

b. if  $x \geq y$

c. if  $x > y$

d.  $x \leq y$

e. if  $x = y$  or the relationship can not be established

---

63. In each of these questions, two equations are given. (+1, -0.25)

You need to solve these equations and find out the value of  $x$  and  $y$  and give an answer

I)  $2x^2 + 15x + 13 = 0$  II)  $y^2 - 7y + 12 = 0$

a. If  $x > y$

b. if  $x \geq y$

c. If  $x < y$

d.  $x \leq y$

e. If  $x = y$  or the relationship can not be established

64. In each of these questions, two equations are given.

(+1, -0.25)

You need to solve these equations and find out the value of  $x$  and  $y$  and give an answer

I)  $x^2 - 7x + 12 = 0$  II)  $y^2 + y - 30 = 0$

- a. if  $x > y$
- b. if  $x \geq y$
- c. if  $x < y$
- d.  $x \leq y$
- e.  $x = y$  or the relationship cannot be established

65. In each of these questions, two equations are given.

(+1, -0.25)

You need to solve these equations and find out the value of  $x$  and  $y$  and give an answer

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

- a.  $x \leq y$
- b.  $x > y$
- c.  $x < y$
- d.  $x = y$  or no relation is obtained
- e.  $x \geq y$

## Reasoning Ability

66. Direction: Read the information carefully and answer the question given below. (+1, -0.25)

Eight people P, Q, R, S, T, U, V and W are sitting around a circular table. All are facing towards the center but not necessarily in the same order. Only two people sit between P and R. S sits immediate right of R. Three people sit between S and T. Two people sits between V and U. Q sits second to the left of U. W sits immediate left of V.

What is the position of S with respect to U?

- a. Third to the right
- b. Second to the left
- c. Third to the left
- d. Second to the right
- e. Can't be determined

67. Direction: Read the information carefully and answer the question given below. (+1, -0.25)

Eight people P, Q, R, S, T, U, V and W are sitting around a circular table. All are facing towards the center but not necessarily in the same order. Only two people sit between P and R. S sits immediate right of R. Three people sit between S and T. Two people sits between V and U. Q sits second to the left of U. W sits immediate left of V.

Who sits fourth to the right of W?

- a. P
- b. S

- c. R
- d. Q
- e. None of these

68. Direction: Read the information carefully and answer the question given below. (+1, -0.25)

Eight people P, Q, R, S, T, U, V and W are sitting around a circular table. All are facing towards the center but not necessarily in the same order. Only two people sit between P and R. S sits immediate right of R. Three people sit between S and T. Two people sits between V and U. Q sits second to the left of U. W sits immediate left of V.

Who sits second to the left of V?

- a. R
- b. Q
- c. T
- d. U
- e. S

69. Direction: Read the information carefully and answer the question given below. (+1, -0.25)

Eight people P, Q, R, S, T, U, V and W are sitting around a circular table. All are facing towards the center but not necessarily in the same order. Only two people sit between P and R. S sits immediate right of R. Three people sit between S and T. Two people sits between V and U. Q sits second to the left of U. W sits immediate left of V.

Choose the one which is different from other options?

- a. PT
- b. TV
- c. VW
- d. PS
- e. QR

70. Directions: Read the following information carefully and answer the questions which follow: (+1, -0.25)

Point B is 6 m to the west of point A. Point C is 4 m to the north of point B. Point G is between point B and point C. Point H is 12 m to the south of point C. Point D is 3 m to the west of point C and point F is 4 m to the south of point D. Point E is 3 m to the east of point H.

What is the shortest distance between F and E?

- a. 8 m
- b. 10 m
- c. 12 m
- d.  $\sqrt{88}$  m
- e. None of these

71. Directions: Read the following information carefully and answer the questions which follow: (+1, -0.25)

Point B is 6 m to the west of point A. Point C is 4 m to the north of point B. Point G is between point B and point C. Point H is 12 m to the south of point C. Point D is 3 m to the west of point C and point F is 4 m to the south of point D. Point E is 3 m to the east of point H.

Which is the odd one out?

- a. F
  - b. C
  - c. G
  - d. H
  - e. None of these
- 

72. Directions: Read the following information carefully and answer the questions which follow: (+1, -0.25)

Point B is 6 m to the west of point A. Point C is 4 m to the north of point B. Point G is between point B and point C. Point H is 12 m to the south of point C. Point D is 3 m to the west of point C and point F is 4 m to the south of point D. Point E is 3 m to the east of point H.

What is the direction of D with respect to A?

- a. East
  - b. North-east
  - c. South-west
  - d. North-west
  - e. South-east
- 

73. Study the following information carefully and answer the questions following it. (+1, -0.25)

Certain people are seating in a single row facing north. A is sitting in third place form the right end. There are 2 people between A and C. There is

one person between C and D. E is to the second left of D. H is to the fifth right of C. A is exactly sitting between B and F who is to the right of A. G is to the second left of J who is to the second left of I who is an immediate neighbor of B.

Who is sitting at the extreme ends?

- a. G, D
- b. B, E
- c. E, H
- d. A, B
- e. C, I

---

74. Study the following information carefully and answer the questions following it. (+1, -0.25)

Certain people are seating in a single row facing north. A is sitting in third place from the right end. There are 2 people between A and C. There is one person between C and D. E is to the second left of D. H is to the fifth right of C. A is exactly sitting between B and F who is to the right of A. G is to the second left of J who is to the second left of I who is an immediate neighbor of B.

What is the position of D with respect to H?

- a. Third to the right
- b. Seventh to the left
- c. Sixth to the left
- d. Third to the left

e. Can't be determined

75. Study the following information carefully and answer the questions following it. (+1, -0.25)

Certain people are seating in a single row facing north. A is sitting in third place form the right end. There are 2 people between A and C. There is one person between C and D. E is to the second left of D. H is to the fifth right of C. A is exactly sitting between B and F who is to the right of A. G is to the second left of J who is to the second left of I who is an immediate neighbor of B.

How many people are sitting between C and F?

- a. 5
- b. 4
- c. 3
- d. 2
- e. 1



76. Study the following information carefully and answer the questions following it. (+1, -0.25)

Certain people are seating in a single row facing north. A is sitting in third place form the right end. There are 2 people between A and C. There is one person between C and D. E is to the second left of D. H is to the fifth right of C. A is exactly sitting between B and F who is to the right of A. G is to the second left of J who is to the second left of I who is an immediate neighbor of B.

Which of the following statements is true?

- a. C and B are neighbours.

- b. There is one person between B and F.
  - c. J is at one extreme end.
  - d. H is two people away from D.
  - e. B is exactly between C and I.
- 

77. Study the following information carefully and answer the questions following it. (+1, -0.25)

Certain people are seating in a single row facing north. A is sitting in third place form the right end. There are 2 people between A and C. There is one person between C and D. E is to the second left of D. H is to the fifth right of C. A is exactly sitting between B and F who is to the right of A. G is to the second left of J who is to the second left of I who is an immediate neighbor of B.

Who is sitting exactly between G and I?

- a. E
  - b. J
  - c. D
  - d. C
  - e. B
- 

78. Direction: In the question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. (+1, -0.25)

Statements:

All apps are fan.

Some apps are grey.

Conclusions:

I. Very few fans are grey.

II. No fan is grey.

- a. Only I follows
- b. Only II follows
- c. Either I or II follows
- d. Neither I nor II follows
- e. Both I and II follow

---

79. Direction: In the question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. (+1, -0.25)

Statements:

No plate is cat.

All vans are plates.

Conclusion:

I. Some cats are plates.

II. No van is cat.

III. Some plates are vans.

- a. Only I and II follows
- b. Only III follows
- c. Only I follows

- d. Only II follows
- e. Only II and III follow

---

80. Direction: In the question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. (+1, -0.25)

Statements:

All mangoes are figs.

Some figs are sky.

No bat is mango.

Conclusions:

I. Some figs are mangoes.

II. Some skies are bats.

III. Some skies being mangoes is a possibility.

- a. Only I follows
- b. Only II and III follow
- c. All follow
- d. Only II follows
- e. Only I and III follow

---

81. Direction: In the question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. (+1, -0.25)

Statements:

All apps are fan.

Some apps are grey.

Conclusions:

I. Very few fans are grey.

II. No fan is grey.

- a. Only I follows
- b. Only II follows
- c. Either I or II follows
- d. Neither I nor II follows
- e. Both I and II follow

---

82. Study the following information and answer the given questions. (+1, -0.25)

Ten persons are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row 1 – A, B, C, D and E are seated (but not necessarily in the same order) and all of them are facing North. In row 2 – L, M, N, O and P are seated (but not necessarily in the same order) and all of them are facing South. In the given seating arrangement each member seated in a row faces another member of the other row. B sits second to the right of D who is sitting in the middle of the row. The person facing B sits to the immediate left of N. L sits second to the right of N. Only two persons sit between L and P. E is not an immediate neighbour of D. O does not face E. C is not facing N.

Which of the following statement is true regarding O?

- a. L sits to the immediate left of O.
- b. Only three persons sit between P and O.
- c. O sits exactly in the middle of the row.

- d. O faces one of the immediate neighbors of B.
- e. None of the given statement is true.

83. Study the following information and answer the given questions. (+1, -0.25)

Ten persons are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row 1 – A, B, C, D and E are seated (but not necessarily in the same order) and all of them are facing North. In row 2 – L, M, N, O and P are seated (but not necessarily in the same order) and all of them are facing South. In the given seating arrangement each member seated in a row faces another member of the other row. B sits second to the right of D who is sitting in the middle of the row. The person facing B sits to the immediate left of N. L sits second to the right of N. Only two persons sit between L and P. E is not an immediate neighbour of D. O does not face E. C is not facing N.

Who among the following is facing A?

- a. L
- b. M
- c. O
- d. P
- e. N

84. Study the following information and answer the given questions. (+1, -0.25)

Ten persons are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row 1 – A, B, C, D and E are seated (but not necessarily in the same order) and all of them are facing North. In row 2 – L, M, N, O and P are seated (but not necessarily in the same order) and all of them are facing South. In the

given seating arrangement each member seated in a row faces another member of the other row. B sits second to the right of D who is sitting in the middle of the row. The person facing B sits to the immediate left of N. L sits second to the right of N. Only two persons sit between L and P. E is not an immediate neighbour of D. O does not face E. C is not facing N.

Who amongst the following is facing M?

- a. E
- b. A
- c. D
- d. B
- e. C

---

85. Study the following information and answer the given questions. (+1, -0.25)

Ten persons are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row 1 – A, B, C, D and E are seated (but not necessarily in the same order) and all of them are facing North. In row 2 – L, M, N, O and P are seated (but not necessarily in the same order) and all of them are facing South. In the given seating arrangement each member seated in a row faces another member of the other row. B sits second to the right of D who is sitting in the middle of the row. The person facing B sits to the immediate left of N. L sits second to the right of N. Only two persons sit between L and P. E is not an immediate neighbour of D. O does not face E. C is not facing N.

Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which is the one that does not belong to the group?

- a. NO

- b. CE
  - c. AB
  - d. PO
  - e. ML
- 

86. Study the following information and answer the given questions. (+1, -0.25)

Ten persons are sitting in two parallel rows containing five people each, in such a way that there is equal distance between adjacent persons. In row 1 – A, B, C, D and E are seated (but not necessarily in the same order) and all of them are facing North. In row 2 – L, M, N, O and P are seated (but not necessarily in the same order) and all of them are facing South. In the given seating arrangement each member seated in a row faces another member of the other row. B sits second to the right of D who is sitting in the middle of the row. The person facing B sits to the immediate left of N. L sits second to the right of N. Only two persons sit between L and P. E is not an immediate neighbour of D. O does not face E. C is not facing N.

What is the position of C with respect to B?

- a. Second to the left
  - b. Third to the left
  - c. Immediate left
  - d. Immediate right
  - e. Second to the right
- 

87. Directions: Study the following information carefully to answer the given questions: (+1, -0.25)

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

How many such symbols are there in the above arrangement each of which is immediately followed by a consonant but not preceded by another symbol?

- a. None
- b. One
- c. Two
- d. Three
- e. Four

---

88. Directions: Study the following information carefully to answer the given questions: (+1, -0.25)

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

Four of the following five are alike in a certain way based on the positions of their elements in the above arrangement and so form a group. Which is the one that does not belong to the group?

- a. IL@
- b. AH%
- c. KFE
- d. QJ1
- e. V \* T

---

89. Directions: Study the following information carefully to answer the given questions: (+1, -0.25)

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

If all the numbers are dropped from the above arrangement which element will be fifth to the left of eleventh from the left?

- a. I
- b. H
- c. T
- d. \*
- e. None of these

90. Directions: Study the following information carefully to answer the given questions: (+1, -0.25)

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

In the following question, select the related letters from the given alternatives. B G : L 7 :: A % : ?

- a. EK
- b. DF
- c. KF
- d. FK
- e. None of these

91. Directions: Study the following information carefully to answer the given questions: (+1, -0.25)

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

How many such vowels are there in the above arrangement each of which is immediately followed by a symbol and also immediately preceded by a consonant?

- a. None
- b. One
- c. Two
- d. Three
- e. Four

---

92. If it is possible to make a meaningful word from second, fourth, fifth, sixth and seventh letters of the word ACKNOWLEDGE, then which will be the first letter of that word? (+1, -0.25)

Mark X if no such word can be formed and M if more than one such word can be formed.

- a. N
- b. C
- c. L
- d. X
- e. M

---

93. Study the following information to answer the given questions. (+1, -0.25)

Seven persons: A, B, C, D, E, F, and G purchased some items one after another i.e., eraser, pen, TV, printer, mouse, mug, and phone but not necessary in the same order. A purchased a mouse and there is a gap of 2

persons between A and E. E didn't come first or at last. As many persons came after A are the same as the number of persons who came before F who purchased the pen. C purchased an eraser immediately before A. There is a gap of 4 persons between E and G who purchased a printer. D purchased a phone immediately before E who purchased a TV. The mug is purchased by B.

Who purchased the pen?

- a. B
- b. C
- c. D
- d. E
- e. F

---

94. Study the following information to answer the given questions. (+1, -0.25)

Seven persons: A, B, C, D, E, F, and G purchased some items one after another i.e., eraser, pen, TV, printer, mouse, mug, and phone but not necessary in the same order. A purchased a mouse and there is a gap of 2 persons between A and E. E didn't come first or at last. As many persons came after A are the same as the number of persons who came before F who purchased the pen. C purchased an eraser immediately before A. There is a gap of 4 persons between E and G who purchased a printer. D purchased a phone immediately before E who purchased a TV. The mug is purchased by B.

There is a gap of how many persons between F and G?

- a. 4
- b. 1

- c. 3
  - d. 2
  - e. 5
- 

95. Study the following information to answer the given questions. (+1, -0.25)

Seven persons: A, B, C, D, E, F, and G purchased some items one after another i.e., eraser, pen, TV, printer, mouse, mug, and phone but not necessary in the same order. A purchased a mouse and there is a gap of 2 persons between A and E. E didn't come first or at last. As many persons came after A are the same as the number of persons who came before F who purchased the pen. C purchased an eraser immediately before A. There is a gap of 4 persons between E and G who purchased a printer. D purchased a phone immediately before E who purchased a TV. The mug is purchased by B.

Which item has been purchased just before mug?

- a. Printer
  - b. Mouse
  - c. Phone
  - d. TV
  - e. Eraser
- 

96. Study the following information to answer the given questions. (+1, -0.25)

Seven persons: A, B, C, D, E, F, and G purchased some items one after another i.e., eraser, pen, TV, printer, mouse, mug, and phone but not necessary in the same order. A purchased a mouse and there is a gap of 2 persons between A and E. E didn't come first or at last. As many persons

came after A are the same as the number of persons who came before F who purchased the pen. C purchased an eraser immediately before A. There is a gap of 4 persons between E and G who purchased a printer. D purchased a phone immediately before E who purchased a TV. The mug is purchased by B.

Which item was purchased at last?

- a. Printer
- b. Mug
- c. Mouse
- d. Eraser
- e. TV

---

97. Study the following information to answer the given questions. (+1, -0.25)

Seven persons: A, B, C, D, E, F, and G purchased some items one after another i.e., eraser, pen, TV, printer, mouse, mug, and phone but not necessary in the same order. A purchased a mouse and there is a gap of 2 persons between A and E. E didn't come first or at last. As many persons came after A are the same as the number of persons who came before F who purchased the pen. C purchased an eraser immediately before A. There is a gap of 4 persons between E and G who purchased a printer. D purchased a phone immediately before E who purchased a TV. The mug is purchased by B.

Who came just before F to purchase?

- a. A
- b. B
- c. C

d. D

e. E

98. Directions: In the following question assuming the given statements to be True, find which of the given conclusion is/are definitely true and then give your answers accordingly. (+1, -0.25)

Statements:

$$B > C; C \geq D = E;$$

$$G \leq H < E \geq I = F$$

Conclusions:

I.  $F \leq C$

II.  $B > H$

a. Only I is True

b. Only II is True

c. Both I and II are True

d. Either I or II is True

e. Neither I nor II is True

99. Directions: In the following question assuming the given statements to be True, find which of the given conclusion is/are definitely true and then give your answers accordingly. (+1, -0.25)

Statements:

$$P = Q;$$

$$Q \geq R;$$

$$R < S;$$

$$T > P;$$

$$S \leq U$$

Conclusions:

I.  $T > R$

II.  $R < U$

- a. Only I is True
- b. Only II is True
- c. Both I and II are True
- d. Either I or II is True
- e. Neither I nor II is True

---

100. Directions: In the following question assuming the given statements to be True, find which of the given conclusion is/are definitely true and then give your answers accordingly. (+1, -0.25)

Statements :

$V \geq W$ ;

$X > Y$ ;

$V \geq Z$ ;

$W \geq X$

Conclusions :

I.  $X > Z$

II.  $Z > W$

III.  $W > Y$

- a. Only conclusion I follows
- b. Only conclusion II follows
- c. Only conclusion III follows
- d. Only conclusion I and II follow

e. Only conclusion I and III follow

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## Answers

### 1. Answer: a

#### Explanation:

From a close reading of the passage, it is clear that the topic of concern is the changing nature of education due to the internet and cloud computing.

The passage goes in detail to describe the changes that will occur in the sector of education due to the same.

Hence the correct option is 1.

Cloud computing will change the nature of education.

---

### 2. Answer: e

#### Explanation:

The correct answer is option 5. All of these.

It is given in the following lines of the passage: The future is about access, anywhere learning and collaboration, both locally and globally.

Teaching and learning are going to be social. Schools of the future could have a traditional cohort of students, as well as online-only students who live across the country or even the world.

Things are already starting to move this way with the emergence of massive open online courses (MOOCs).

---

### 3. Answer: c

#### Explanation:

The correct answer is option 1. An ill-trained and under-confident staff of teachers who do not see the benefits of online education.

It is given in the following lines of the passage: Staff will also need training; you can't expect staff to use new technology if they are not confident users or creators.

Any initiative is doomed to failure without well trained, confident staff who can see how technology can support and benefit teaching and learning.

---

#### 4. Answer: a

##### Explanation:

Out of the given options, the best title is option 1, Cloud computing: The new era of global education.

From a close reading of the passage, we realize that the main idea that is being discussed in detail here is the changes that will come in the current model of education because of the advent of internet and cloud computing.

All the other options are incorrect as they relate to only a particular aspect of the passage or are ambiguous.

---

#### 5. Answer: d

##### Explanation:

The correct answer is option 4. Options 1, 2, and 3.

It is given in the following lines of the passage: School classrooms are going to change. With the cloud, the world will be our classroom.

E-learning will change teaching and learning.

Students can learn from anywhere and teachers can teach from anywhere.

**6. Answer: a**

**Explanation:**

Let us look at the meanings of all the words:

Massive: large and heavy or solid.

Puny: small and weak.

Humongous: huge; enormous.

Medium: about halfway between two extremes of size or another quality; average.

Elaborate: detailed and complicated in design and planning.

Hence option 1 is the correct answer.

**7. Answer: b**

**Explanation:**

Let us look at the meanings of all the words:

Ensure: make certain that (something) will occur or be the case.

Pressure: the continuous physical force exerted on or against an object by something in contact with it.

Assure: make (something) certain to happen.

Lure: tempt (a person or animal) to do something or to go somewhere, especially by offering some form of reward.

Procure: obtain (something), especially with care or effort.

Hence option 2 is the correct answer.

**8. Answer: b**

**Explanation:**

Let us look at the meanings of all the words:

Adopt: choose to take up, follow, or use.

Deny: a state that one refuses to admit the truth or existence of.

Accept: give an affirmative answer to (an offer or proposal); say yes to.

Affect: have an effect on; make a difference to.

Attempt: make an effort to achieve or complete (something difficult).

---

**9. Answer: b**

**Explanation:**

In a sentence, if the first of two or even more adjectives is the superlative degree, the others must also be of the superlative degree.

Therefore, 'most hard-working' will fill the blank.

The complete sentence will be: He is one of the best and most hard-working teachers that the school ever had.

The correct option is 2.

---

**10. Answer: c**

**Explanation:**

The correct word here must be 'fewer.'

When we are dealing with a number we must use 'fewer' and when we are dealing with 'quantity' we must use 'less.'

The complete sentence will be: No fewer than fifty girls took part in the dance competition for the University's anniversary celebration.

Hence the correct option is 3.

---

**11. Answer: a**

**Explanation:**

In the given sentence, the word 'preferable' already has the force of a comparative degree and hence does not require 'more' or 'much' in front of it.

'The most preferable' is an incorrect option as it is a superlative degree that cannot be used for comparing two entities.

So we must use 'preferable' alone.

So, option 1 is correct.

The complete sentence will be: Before long, we will all be old and realize that health is preferable to wealth.

---

## 12. Answer: c

### Explanation:

Here we need not write 'roses' because 'rose' a singular noun represents the whole class of flowers.

Since the article 'the' is used, we must go for a singular noun.

So, the correct option is option 3.

The complete sentence will be: I think that the rose is the sweetest of all flowers.

---

## 13. Answer: c

### Explanation:

Since the last part of the sentence uses 'lost' which is a verb in its past form, the verb that will fill the blank will also be in its past form.

'Given' and 'taken' are rejected as they are verbs in their past perfect form and are also contextually incorrect. 'Left' is also rejected as it is contextually incorrect.

Hence we must use 'got' in the blank.

Hence the correct answer is option 3.

The complete sentence is: Reputation was the one thing that she got without merit and lost without fault.

**14. Answer: b**

**Explanation:**

The error lies in part 2.

The sentence uses the form 'to be close', which is incorrect.

Since the sentence uses the form 'to be' before 'close', the correct form here must be the verb form 'closed' meaning 'not open'.

Therefore, the correct answer is option 2.

The corrected sentence is: The aforementioned position was to be closed for the candidates possessing a score of 160 or lower.

---

**15. Answer: a**

**Explanation:**

The error lies in part 1.

The sentence uses the form 'have engulfed', which is incorrect here.

The correct form here should be either 'has' or 'had', since the 'mist' is singular and so the corresponding auxiliary verb form must also be singular.

Therefore, the correct answer is option 1.

The corrected sentence will be: The cold mist has engulfed the entire town as it reclaimed in its own parallel dimension.

---

**16. Answer: c**

**Explanation:**

The error lies in part 3.

The sentence uses the form 'could never hoped', which is incorrect.

The correct form here should be the simple present tense form of the verb, viz, 'hope', as the modal verb 'could' already expresses the tense and ability of the verb.

Therefore, the correct answer is option 3.

The corrected sentence will be: Try hard as he might, Alvira knew her brother could never hope to regain his health.

---

**17. Answer: a**

**Explanation:**

The error lies in part 1.

The sentence uses the form 'little does' one know, which is incorrect here.

As the sentence uses the past tense verb 'was', the correct form here should be 'little did' the King know.

'Little did/does one know' is a way of expressing the ignorance of a person about something.

Therefore, the correct answer is option 1.

The corrected sentence is: Little did the King know that an evil plan was already being hatched in his palace at that moment.

---

**18. Answer: d**

**Explanation:**

The error lies in part 4.

The sentence uses the preposition 'to' after the verb form 'to be proven', which, given the context of the sentence is unnecessary. It should be 'to be proven disastrous' and not 'to be proven to disastrous'.

Note here that both past participle forms 'proved' and 'proven' are correct.

Therefore, the correct answer is option 4.

The corrected sentence will be: He was aware that the oath he had taken was soon to be proven disastrous.

---

19. Answer: a

**Explanation:**

The error lies in part 1.

The sentence uses the form 'had they seen us', which is used to show a possibility of something happening, which means this conjunction 'had' is used synonymously with the conditional conjunction 'if'.

Whenever we use the conjunction 'had', there is no need to use the auxiliary verb again in the sentence. i.e. 'had they seen us' (which means if they had seen us) is correct and not 'had they had seen us'. The second 'had' is redundant here.

Therefore, the correct answer is option 1.

The corrected sentence is: Had they seen us misappropriate their belongings they would have been enraged.

20. Answer: c

**Explanation:**

The error lies in part 3.

The sentence uses the adjective form 'inevitable', which is incorrect here. As the sentence is referring to the storm following the man, the correct form here should be the adverb 'inevitably'.

Inevitable means something that is sure to happen. For e.g. All men find that death is an inevitable enemy.

Therefore, the correct answer is option 3.

The corrected sentence is: The raging storm followed the man, inevitably swallowing up everything in its path.

21. Answer: d

**Explanation:**

The correct answer is 4- the error lies in the 4th part of the sentence.

We must remember it as a rule of thumb that "seldom if ever" and "seldom or never" are the correct expressions. "Seldom if never" is wrong.

So the correct option is 4.

The corrected sentence is: The actual legal responsibilities may vary between jurisdictions and are seldom if ever clear.

Seldom if ever: this expression is used as a more forceful way to say 'seldom' or 'rarely' Seldom or never: this expression is used to mean 'very rarely'

---

## 22. Answer: b

### Explanation:

The error is in part 2 of the sentence.

Here "had Rekha" and "if Rekha had" means the same thing. So this formation is correct. What's wrong is the use of 'may' which is in the present tense. We need to use the past tense. So we must use "might" instead of "may."

So, option 2 is correct.

The corrected sentence is: Had Rekha not discouraged me I might have sung a song or two at your wedding.

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## 23. Answer: a

### Explanation:

The error here is in part 1 of the sentence.

We can see the formation of "would have+V3" in the later part of the sentence, which demands that the dependent clause or the first part of the sentence be in the past perfect tense.

Now 'we had' gives us the illusion that the sentence is already in past perfect, but actually, it is not.

Note that, here "had" is used as the main verb" which means "possess."

So, to make it past perfect we must use the helping verb "had".

So, option 1 is correct.

The corrected sentence is: If we had had players like Ronaldo in our team, we would have qualified for the FIFA World Cup long ago.

---

**24. Answer: b**

**Explanation:**

The first sentence in the paragraph should always introduce a new topic. Out of all the given sentences, only C is independent as it gives the main subject, which is Daisy. Hence C is the first sentence.

The second sentence is B as it talks about what Daisy would like to do, that is, going home.

This is followed by A as it talks about why she can't go home.

Next is D as the 'she' refers to Daisy's boss who is mentioned in A.

Next comes E which talks about how everyone else had left and how Daisy feels alone.

So, the correct sequence is CBADE.

Hence the correct answer is option 2.

The ordered paragraph is: It had been a long tiring week for Daisy. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.

She was angry at her for asking her to stay back.

It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

---

**25. Answer: b**

**Explanation:**

The first sentence in the paragraph should always introduce a new topic. Out of all the given sentences, only C is independent as it gives the main subject, which is Daisy. Hence C is the first sentence.

The second sentence is B as it talks about what Daisy would like to do, that is, going home. This is followed by A as it talks about why she can't go home.

Next is D as the 'she' refers to Daisy's boss who is mentioned in A.

Next comes E which talks about how everyone else had left which is followed by F which supports the previous statement by saying how Daisy feels alone.

So, the correct sequence is CBADE. Hence the correct answer is option 2. The ordered paragraph is: It had been a long tiring week for Daisy. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time. She was angry at her for asking her to stay back. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

**26. Answer: a**

**Explanation:**

The first sentence in the paragraph should always introduce a new topic. Out of all the given sentences, only C is independent as it gives the main subject, which is Daisy. Hence C is the first sentence.

The second sentence is B as it talks about what Daisy would like to do, that is, going home. This is followed by A as it talks about why she can't go home.

Next is D as the 'she' refers to Daisy's boss who is mentioned in A.

Next comes E which talks about how everyone else had left which is followed by F which supports the previous statement by saying how Daisy feels alone.

So, the correct sequence is CBADE. Hence the correct answer is option 1. The ordered paragraph is: It had been a long tiring week for Daisy. All she wanted to do

was go home and snuggle in her bed with a hot mug of cocoa. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time. She was angry at her for asking her to stay back. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

---

**27. Answer: d**

**Explanation:**

The first sentence in the paragraph should always introduce a new topic. Out of all the given sentences, only C is independent as it gives the main subject, which is Daisy. Hence C is the first sentence.

The second sentence is B as it talks about what Daisy would like to do, that is, going home.

This is followed by A as it talks about why she can't go home.

Next is D as the 'she' refers to Daisy's boss who is mentioned in A.

Next comes E which talks about how everyone else had left which is followed by F which supports the previous statement by saying how Daisy feels alone.

So, the correct sequence is CBADE.

Hence the correct answer is option 4.

The ordered paragraph is: It had been a long tiring week for Daisy. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time.

She was angry at her for asking her to stay back.

It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

---

28. Answer: c

**Explanation:**

The first sentence in the paragraph should always introduce a new topic. Out of all the given sentences, only C is independent as it gives the main subject, which is Daisy. Hence C is the first sentence.

The second sentence is B as it talks about what Daisy would like to do, that is going home. This is followed by A as it talks about why she can't go home.

Next is D as the 'she' refers to Daisy's boss who is mentioned in A.

Next comes E which talks about how everyone else had left which is followed by F which supports the previous statement by saying how Daisy feels alone.

So, the correct sequence is CBADE.

Hence the correct answer is option 3.

The ordered paragraph is: It had been a long tiring week for Daisy. All she wanted to do was go home and snuggle in her bed with a hot mug of cocoa. But she was brutally snapped out of her daydreams when the boss asked her to work for some more hours after the closing time. She was angry at her for asking her to stay back. It was a Friday so everyone else had gone back home, and she felt so alone and tired and frustrated.

---

29. Answer: e

**Explanation:**

All the words in the given statement are spelled correctly.

The correct answer is option 5. No error.

---

30. Answer: b

**Explanation:**

The correct answer is Option 2 i.e. 'Company'

The correct spelling of the word is 'company'.

Company is a business organization selling goods or services.

All the other words have been correctly spelled.

---

### 31. Answer: b

#### Explanation:

Given expression is,

$$\Rightarrow 34500 \div 460 \div 25 = ?$$

$$\Rightarrow 75 \div 25 = ?$$

$$\Rightarrow 3 = ?$$

Hence the answer is 3

---

### 32. Answer: e

#### Explanation:

Follow BODMAS rule to solve this question, as per the order given below,

Step-1- Parts of an equation enclosed in 'Brackets' must be solved first, and in the bracket, the BODMAS rule must be followed,

Step-2- Any mathematical 'Of' or 'Exponent' must be solved next,

Step-3-Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,

Step-4-Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

Now, given expression:

$$\Rightarrow 199 + 53 \div 4 \times 42 = ?$$

$$\Rightarrow 199 + 125 \div 4 \times 42 = ?$$

$$\Rightarrow 199 + 125 \times 4 = ?$$

$$\Rightarrow ? = 199 + 500$$

$$\Rightarrow ? = 699$$

---

### 33. Answer: b

#### Explanation:

Follow BODMAS rule to solve this question, as per the order given below,  
Step-1-Parts of an equation enclosed in 'Brackets' must be solved first,  
Step-2-Any mathematical 'Of' or 'Exponent' must be solved next,  
Step-3-Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,  
Step-4-Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

Now, the given expression:

$$196 + 42 \times 11 - 171$$

$$= 196 + 462 - 171$$

$$= 487$$

---

### 34. Answer: b

#### Explanation:

Follow BODMAS rule to solve this question, as per the order given below,  
Step - 1 - Parts of an equation enclosed in the 'BRACKETS' must be solved first  
Step - 2 - Any mathematical 'OF' or 'EXPONENTS' must be solved next  
Step - 3 - Next the part of the equation that contains 'DIVISION'; and 'MULTIPLICATION' are calculated  
Step - 4 - Last but not least, the parts of the equation that contains 'ADDITION' and 'SUBTRACTION' should be calculated

Now, the given expression:

$$\Rightarrow 2\frac{1}{9} \times 2\frac{2}{19} \div 6\frac{2}{3} = ? - 1\frac{1}{2}$$

$$\begin{aligned} \Rightarrow \frac{19}{9} \times \frac{40}{19} \div \frac{20}{3} &= ? - \frac{3}{2} \\ \Rightarrow \frac{19}{9} \times \frac{40}{19} \times \frac{3}{20} &= ? - \frac{3}{2} \\ \Rightarrow \frac{2}{3} &= ? - \frac{3}{2} \\ \Rightarrow \frac{2}{3} + \frac{3}{2} &= ? \\ \Rightarrow ? &= \frac{13}{6} = 2\frac{1}{6} \end{aligned}$$

Hence, the required answer is  $2\frac{1}{6}$ .

**35. Answer: b**

**Explanation:**

Follow BODMAS rule to solve this question, as per the order given below,  
 Step-1- Parts of an equation enclosed in 'Brackets' must be solved first, and in the bracket,  
 Step-2- Any mathematical 'Of' or 'Exponent' must be solved next,  
 Step-3- Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,  
 Step-4- Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

Given expression is,

$$\begin{aligned} & \left( 15 + \left( \left( \frac{4}{7} \times 5 \frac{4}{2} \right) \div \left( \frac{2}{9} \times 2 \frac{4}{7} \right) \right) \right) \div \left( \frac{14}{2} \right) \div \left( \frac{56}{9} \times \frac{18}{7} \right) = ? \\ & \Rightarrow \left( 15 + \left( \frac{18}{16} \right) \right) \div \frac{9}{8} = ? \\ & \Rightarrow \left( 15 + \frac{9}{8} \right) \div \frac{9}{8} = \frac{120 + 9}{8} = \frac{129}{8} \end{aligned}$$

**36. Answer: b**

### Explanation:

Follow BODMAS rule to solve this question, as per the order given below,  
Step - 1. Parts of an equation enclosed in 'Brackets' must be solved first,  
Step - 2. Any mathematical 'Of' or 'Exponent' must be solved next,  
Step - 3. Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,  
Step - 4. Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

Given expression:

Following the order, we first attempt to solve the part in the brackets:  $(x + 1289)$ .  
We observe that this cannot be simplified any further. Hence we move on to "Of".

We have,

$$25\% \text{ of } (x + 1289) = \frac{25}{100} \times (x + 1289) = \frac{x + 1289}{4}$$

$$\text{Next, we add } \Rightarrow 46 + \frac{x + 1289}{4}$$

Equating it to the RHS, we have

$$46 + \frac{x + 1289}{4} = 1340$$

$$\Rightarrow \frac{x + 1289}{4} = 1294$$

$$\Rightarrow x + 1289 = 5176$$

$$\Rightarrow x = 3887$$

### 37. Answer: c

### Explanation:

Follow BODMAS rule to solve this question, as per the order given below,  
Step - 1. Parts of an equation enclosed in 'Brackets' must be solved first,  
Step - 2. Any mathematical 'Of' or 'Exponent' must be solved next,  
Step - 3. Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,  
Step - 4. Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

Given expression:

$$\text{We have, } 36\% \text{ of } 450 + ?\% \text{ of } 350 = 463$$

$$\Rightarrow 162 + 7/2 \times ? = 463$$

$$\Rightarrow 7/2 \times ? = 301$$

$$\Rightarrow ? = 301 \times 2/7 = 86$$

**38. Answer: c**

**Explanation:**

Applying the BODMAS Rule, the priority of operations is Bracket of Division Multiple Addition Subtraction

Rearranging the given problem,

$$\Rightarrow (15 \times 184) + 27 - 59 = ? + (156/12)$$

$$\Rightarrow (15 \times 184) + 27 - 59 = ? + 13$$

$$\Rightarrow 2760 + 27 - 59 = ? + 13$$

$$\Rightarrow 2760 + 27 - 59 - 13 = ?$$

$$\Rightarrow 2760 + 27 - (59 + 13) = ?$$

$$\Rightarrow 2760 + 27 - 72 = ?$$

$$\Rightarrow (2760 + 27) - 72 = ?$$

$$\Rightarrow 2787 - 72 = ?$$

$$\therefore ? = 2715$$

Your Personal Exams Guide

**39. Answer: d**

**Explanation:**

To Follow BODMAS Rule

Step-1- Parts of an equation enclosed in 'Brackets' must be solved first, and in the bracket, the BODMAS rule must be followed,

Step-2- Any mathematical 'Of' or 'Exponent' must be solved next,

Step-3-Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,

Step-4-Last but not least, the parts of the equation that contain 'Addition' and

'Subtraction' should be calculated.

Given expression is,

$$3780 \div 14 \times 15 + 340 = ?$$

$$\Rightarrow 270 \times 15 + 340 = ?$$

$$\Rightarrow 4050 + 340 = ?$$

$$\Rightarrow ? = 4390$$

---

#### 40. Answer: c

##### Explanation:

Follow BODMAS rule to solve this question, as per the order given below,  
Step-1-Parts of an equation enclosed in 'Brackets' must be solved first,  
Step-2-Any mathematical 'Of' or 'Exponent' must be solved next,  
Step-3-Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,  
Step-4-Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

Now, the given expression,

$$55 + 8 \times 0.75 - 12 = ?$$

$$\Rightarrow ? = 55 + 6 - 12$$

$$\Rightarrow ? = 49$$

---

#### 41. Answer: a

##### Explanation:

Total books read by Mridul and Sachin in both the years =  $170 + 80 = 250$

Total books read by Vishnu and Praveen in both the years =  $90 + 130 = 220$

Difference =  $250 - 220 = 30$  More

42. Answer: a

**Explanation:**

Total books read by Vishnu in both the years = 90  
Total books read by Mridul in both the years = 170  
Total books read by Sachin in both the years = 80  
Total books read by Praveen in both the years = 130  
Total =  $90 + 170 + 80 + 130 = 470$

---

43. Answer: c

**Explanation:**

Number of books read by Praveen in 2015 = 70  
Number of books read by Mridul in 2015 = 80  
 $\therefore$  Required Percentage =  $(80 - 70 / 80) \times 100 = 12.5\%$

---

44. Answer: b

**Explanation:**

Number of books read by Vishnu in 2016 = 40  
Number of books read by Mridul in 2016 = 90  
Number of books read by Sachin in 2016 = 50  
Number of books read by Praveen in 2016 = 60  
Total Number of books read by all of them in 2016 =  $40 + 90 + 50 + 60 = 240$   
 $\therefore$  Required Average =  $240 / 4 = 60$

---

45. Answer: a

**Explanation:**

Number of books read by Vishnu in 2015 = 50

Number of books read by Mridul in 2015 = 80

Number of books read by Vishnu and Mridul in 2015 =  $50 + 80 = 130$

Number of books read by Sachin in 2015 = 30

Number of books read by Praveen in 2015 = 70

Number of books read by Sachin and Praveen in 2015 =  $30 + 70 = 100$

$\therefore$  Required ratio =  $130 : 100 = 13 : 10$

---

**46. Answer: b****Explanation:**

Let the share of Abhishek and Pritha are  $5x$  and  $7x$ .

Given that,  $5x + 2000 = 7x$

$\Rightarrow 2x = 2000$

$\Rightarrow x = 1000$

$\therefore$  Abhishek's share =  $5x = 5000$

---

**47. Answer: d****Explanation:**

$\therefore$  The white car is approaching the black car from behind, this means that the cars are moving in the same direction

Relative speed = difference of their individual speeds =  $72 - 54 = 18 \text{ km/hr} = 18 \times \frac{5}{18} = 5 \text{ m/sec}$ .

Distance between cars = 32 m

$\therefore$  Time taken to cross the black car =  $32/5 = 6.4 \text{ sec}$ .

---

**48. Answer: e**

**Explanation:**

Let the Marked Price =  $x$

Discount = 25%

Selling Price = Marked Price - Discount

$$\text{Selling Price} = x - (25 / 100)x = 0.75x$$

Let the Cost Price =  $y$

Profit = 20%

Selling Price = Cost Price + Profit

$$\text{Selling Price} = y + (20 / 100)y = 1.2y$$

According to question

$$1.2y = 0.75x$$

$$\Rightarrow y = (0.75 / 1.2)x = 0.625x$$

$$\Rightarrow x = 1.6y$$

Marked Price =  $1.6y$

Cost Price =  $y$

$$\% \text{ Increase in Cost Price} = \{(\text{Marked Price} - \text{Cost Price}) / \text{Cost Price}\} \times 100$$

$$\% \text{ Increase in Cost Price} = (0.6y / y) \times 100 = 60\%$$

Hence Option (5)

Let CP be 100%

So, SP = 120%

Now, if 75% = 120%

$$\text{Then, } 100\% = (120/75) \times 100\%$$

$$\Rightarrow 160\%$$

So, Increase% = 60%

**49. Answer: b**

**Explanation:**

Let the distance covered be =  $D$  km

Let  $x$  be the speed of boat and  $y$  be the speed of stream

Speed in upstream =  $(x - y) = 9 - 3 = 6$  km/hr

Speed in downstream =  $(x + y) = 9 + 3 = 12$  km/hr

According to the question

$$\Rightarrow \frac{D}{6} - \frac{D}{12} = 6$$

$$\Rightarrow \frac{2D - D}{12} = 6$$

$$\Rightarrow D/12 = 6$$

$$\Rightarrow D = 72 \text{ km}$$

So, the total distance covered is  $72 + 72 = 144$  km

$\therefore$  Total distance covered is 144 km

## 50. Answer: a

### Explanation:

Let the present age of A be  $x$

And the present age of B be  $y$

According to the question,

$$x/(y - 4) = 7/8$$

$$8x = 7y - 28$$

$$8x - 7y = -28 \quad \text{-----(i)}$$

8 year hence

$$(x + 8)/(y + 8) = 9/11$$

$$11x + 88 = 9y + 72$$

$$11x - 9y = -16 \quad \text{-----(ii)}$$

On solving (i) and (ii)

We get  $y = 36$  years

$\therefore$  The present age of B is 36 years

By option method

1) 36

Let present age of B = 36

His age before 4 years = 32

Ratio of age of A and B before 4 years was 7 : 8

8 unit = 32

$$1 \text{ unit} = 4$$

$$7 \text{ unit} = 28 \text{ years}$$

Age of A before 4 years was 28

$$B \text{ age after 8 years from present age} = 36 + 8 = 44$$

$$A \text{ age after 8 years from now} = 28 + 8 = 36$$

$$\text{Ratio of A and B age after 8 years} = 36 : 44 = 9 : 11$$

Hence proved

$\therefore$  Present age of B 36 is correct which satisfied all equations and ratio

---

51. Answer: c

**Explanation:**

Initial quantity = 40 liters

After 20 lt mixture was taken out

$$\text{Quantity} = 40 - 20 = 20 \text{ liters}$$

$$\text{Milk : water} = 4 : 1$$

$$\text{Water} = 20 \times \frac{1}{5} = 4 \text{ liters}$$

After adding 10 liters more

$$\therefore \text{Required quantity} = 4 + 10 = 14 \text{ liters}$$

Your Personal Exams Guide

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52. Answer: a

**Explanation:**

Let the investment by A and B be  $5x$  and  $6x$

$$\text{Investment by C} = \frac{1}{2} \times 6x = 3x$$

$$A \ B \ C \ 5x \times 12 = 60x \ 6x \times 12 = 72x \ 3x \times 6 = 18x$$

$$10 \text{ unit} = 2400, \text{ Required ratio} = 10 : 12 : 3$$

$$(10 + 12 + 3) \text{ unit} = 2400/10 \times 25 = 6000$$

$$\text{Profit earned by C} = 6000 \times \frac{3}{25} = \text{Rs.}720$$

---

**53. Answer: b**

**Explanation:**

Given:

The difference between the Compound Interest on a certain sum of money at 20% for second year and first year is Rs. 1200

Calculation:

Let the Principal be Rs. P

$$\text{Compound Interest for 1st year} = P(1 + r/100)^n - P$$

$$\Rightarrow P(1 + 20/100)^1 - P$$

$$\Rightarrow P/5$$

$$\text{Principal for 2nd year} = P + P/5 = 6P/5$$

$$\text{Compound Interest for 2nd year} = 6P/5(1 + 20/100) - 6P/5$$

$$\Rightarrow 6P/25$$

According to the question,

$$6P/25 - P/5 = 1200$$

$$\Rightarrow P/25 = 1200$$

$$\Rightarrow P = \text{Rs.}30000$$

Therefore the correct answer is Rs.30,000

Let the sum be Rs. x

$$x \times 20/100 \quad \text{----(Interest for the first year)}$$

$$x \times 20/100 \times 20/100 \quad \text{----(Interest for the second year)}$$

According to the question,

$$\Rightarrow x \times 20/100 \times 20/100 = 1,200$$

$$\Rightarrow x = (1200 \times 100 \times 100)/(20 \times 20)$$

$$\Rightarrow x = 30,000$$

$\therefore$  The sum is Rs. 30,000.

**54. Answer: c**

**Explanation:**

Average age of 18 people = 25 years

Total age of 18 people =  $25 \times 18 = 450$  years

After including 3 new persons,

Average age =  $25 + 3 = 28$  years

Total age of  $(18 + 3)$  people =  $28 \text{ years} \times 21 = 588$  years

Total age of 3 new persons =  $588 - 450 = 138$  years

$\therefore$  Required Average age =  $138/3 = 46$  years

---

**55. Answer: b**

**Explanation:**

Let the length and breadth of rectangle be  $2x$  and  $3x$  respectively

Area of the rectangle =  $2x \times 3x = 96$

$\Rightarrow 6x^2 = 96$

$\Rightarrow x^2 = 16$

$\Rightarrow x = 4\text{cm}$

Length =  $4 \times 2 = 8\text{cm}$

Breadth =  $4 \times 3 = 12\text{cm}$

$\therefore$  required perimeter =  $2(8 + 12) = 40\text{cm}$

Your Personal Exams Guide

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**56. Answer: d**

**Explanation:**

$2.5 \times 2 = 5$

$\Rightarrow 5 \times 3 = 15$

$\Rightarrow 15 \times 4 = 60$

$\Rightarrow 60 \times 5 = 300$

$\Rightarrow 300 \times 6 = 1800$

57. Answer: d

Explanation:

$$\begin{aligned}4 \times 1 - 1 &= 3 \\ \Rightarrow 3 \times 2 - 2 &= 4 \\ \Rightarrow 4 \times 3 - 3 &= 9 \\ \Rightarrow 9 \times 4 - 4 &= 32 \\ \Rightarrow 32 \times 5 - 5 &= 155\end{aligned}$$

58. Answer: d

Explanation:

$$\begin{aligned}343 &= 7^3 \\ 729 &= 9^3 \\ 1331 &= 11^3 \\ 2197 &= 13^3 \\ 3375 &= 15^3\end{aligned}$$

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59. Answer: b

Explanation:

$$\begin{aligned}100 \\ 100 \times 1.5 &= 150 \\ 150 \times 2 &= 300 \\ 300 \times 2.5 &= 750 \\ 750 \times 3 &= 2250\end{aligned}$$

60. Answer: a

**Explanation:**

The series follows the following pattern:

$$55 - 5 = 50$$

$$50 - 10 = 40$$

$$40 - 15 = 25$$

$$25 - 20 = 5$$

$$5 - 25 = -20$$

**61. Answer: e****Explanation:**

From the given data,

$$\Rightarrow x^2 + 16x + 48 = 0$$

$$\Rightarrow x^2 + 12x + 4x + 48 = 0$$

$$\Rightarrow x(x + 12) + 4(x + 12) = 0$$

$$\Rightarrow (x + 4)(x + 12) = 0$$

$$\therefore x = -4 \text{ and } x = -12$$

Also given that  $y^2 + 21y + 38 = 0$

$$\Rightarrow y^2 + 19y + 2y + 38 = 0$$

$$\Rightarrow y(y + 19) + 2(y + 19) = 0$$

$$\Rightarrow (y + 2)(y + 19) = 0$$

$$\Rightarrow y = -2 \text{ and } y = -19$$

$\therefore$  When  $x = -4$  and  $y = -2$ , then  $x < y$

$x = -4$  and  $y = -19$ , then  $x > y$

$x = -12$  and  $y = -2$ , then  $x < y$

$x = -12$  and  $y = -19$ , then  $x > y$

$\therefore$  Relationship cannot be determined

**62. Answer: e**

### Explanation:

As per the given data,

From (I)

$$\Rightarrow x^2 - 16x + 63 = 0$$

$$\Rightarrow x^2 - 7x - 9x + 63 = 0$$

$$\Rightarrow x(x - 7) - 9(x - 7) = 0$$

$$\Rightarrow (x - 9)(x - 7) = 0$$

$$\therefore x = 9 \text{ and } 7$$

From II)

$$\Rightarrow y^2 - 44y + 84 = 0$$

$$\Rightarrow y^2 - 42y - 2y + 84 = 0$$

$$\Rightarrow y(y - 42) - 2(y - 42) = 0$$

$$\Rightarrow (y - 2)(y - 42) = 0$$

$$\therefore y = 2 \text{ and } y = 42$$

When  $x = 9$  and  $y = 2$ , then  $x > y$

$x = 9$  and  $y = 42$ , then  $x < y$

$x = 7$  and  $y = 2$ , then  $x > y$

$x = 7$  and  $y = 42$ , then  $x < y$

$\therefore$  From the above we can say, Relationship cannot be determined

## Your Personal Exams Guide

### 63. Answer: c

### Explanation:

As per the given data,

From I)

$$\Rightarrow 2x^2 + 15x + 13 = 0$$

$$\Rightarrow 2x^2 + 2x + 13x + 13 = 0$$

$$\Rightarrow 2x(x + 1) + 13(x + 1) = 0$$

$$\Rightarrow (2x + 13)(x + 1) = 0$$

$$\therefore x = -13/2 \text{ and } x = -1$$

From II)

$$\Rightarrow y^2 - 7y + 12 = 0$$

$$\Rightarrow y^2 - 3y - 4y + 12 = 0$$

$$\Rightarrow y(y - 3) - 4(y - 3) = 0$$

$$\Rightarrow (y - 4)(y - 3) = 0$$

$$\therefore y = 4 \text{ and } y = 3$$

When  $x = -13/2$  and  $y = 4$ , then  $x < y$

$x = -13/2$  and  $y = 3$ , then  $x < y$

$x = -1$  and  $y = 4$ , then  $x < y$

$x = -1$  and  $y = 3$ , then  $x < y$

$\therefore$  From the above, we can say  $x < y$

64. Answer: e

Explanation:

As per the given data,

From I)

$$\Rightarrow x^2 - 7x + 12 = 0$$

$$\Rightarrow x^2 - 3x - 4x + 12 = 0$$

$$\Rightarrow x(x - 3) - 4(x - 3) = 0$$

$$\Rightarrow (x - 4)(x - 3) = 0$$

$$\therefore x = 4 \text{ and } x = 3$$

From II)

$$\Rightarrow y^2 + y - 30 = 0$$

$$\Rightarrow y^2 + 6y - 5y - 30 = 0$$

$$\Rightarrow y(y + 6) - 5(y + 6) = 0$$

$$\Rightarrow (y - 5)(y + 6) = 0$$

$$\therefore y = 5 \text{ and } y = -6$$

When  $x = 4$  and  $y = 5$ , then  $x < y$

$x = 4$  and  $y = -6$ , then  $x > y$

$x = 3$  and  $y = 5$ , then  $x < y$

$x = 3$  and  $y = -6$ , then  $x > y$

$\therefore$  from the above, we can say relationship cannot be determined

65. Answer: d

**Explanation:**

From equation 1:

$$\Rightarrow x^2 + 2x + x + 2 = 0$$

$$\Rightarrow (x + 2)(x + 1) = 0$$

$$\therefore x = -2 \text{ or } x = -1$$

From equation 2:

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

$$\Rightarrow (y - 1)(y + 4) = 0$$

$$\therefore y = 1 \text{ or } y = -4$$

When  $x = -1, y = 1$  then  $x < y$

When  $x = -1, y = -4$  then  $x > y$

When  $x = -2, y = 1$  then  $x < y$

When  $x = -2, y = -4$  then  $x > y$

$\therefore$  No relation is obtained between  $x$  and  $y$

66. Answer: c

**Explanation:**

What is the position of S with respect to U?

67. Answer: d

**Explanation:**

Who sits fourth to the right of W?

68. Answer: c

**Explanation:**

Who sits second to the left of V?

---

69. **Answer: c**

**Explanation:**

Choose the one which is different from other options?

---

70. **Answer: b**

**Explanation:**

What is the shortest distance between F and E?

---

71. **Answer: a**

**Explanation:**

Which is the odd one out?

---

72. **Answer: d**

**Explanation:**

What is the direction of D with respect to A?

---

73. Answer: c

**Explanation:**

Who is sitting at the extreme ends?

---

74. Answer: b

**Explanation:**

What is the position of D with respect to H?

---

75. Answer: c

**Explanation:**

How many people are sitting between C and F?

---

76. Answer: b

**Explanation:**

Which of the following statements is true?

---

77. Answer: b

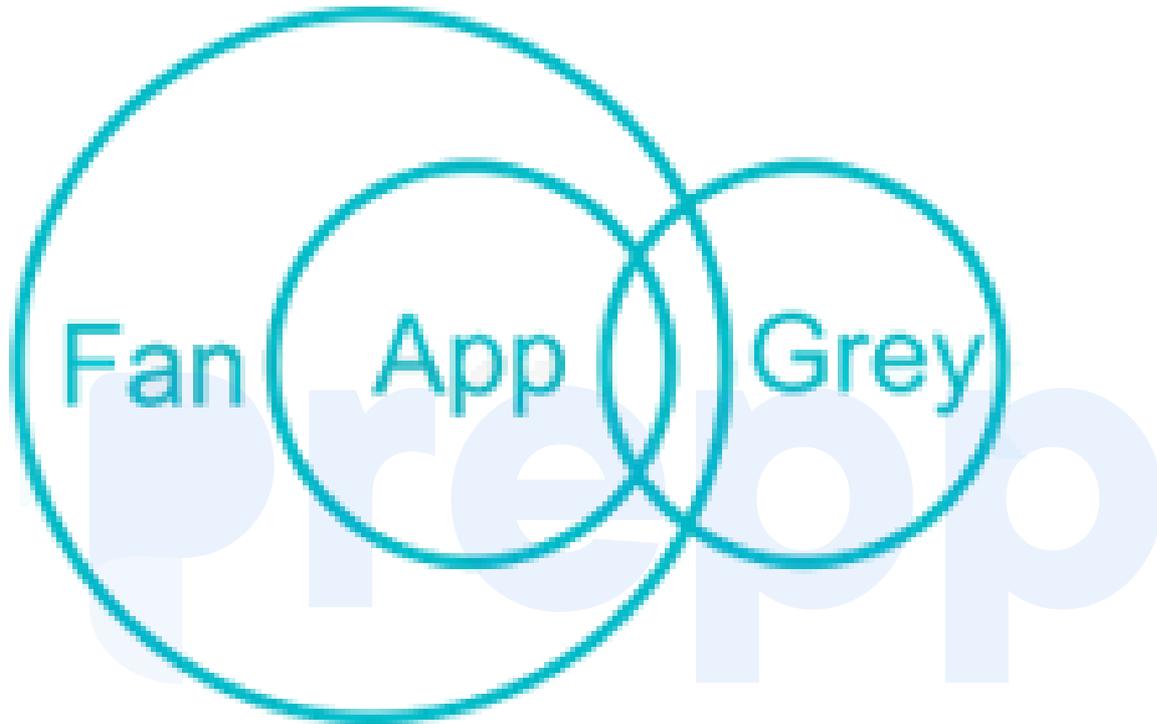
**Explanation:**

Who is sitting exactly between G and I?

78. Answer: a

**Explanation:**

The least possible diagram for the given statements is as follows



Conclusions:

I. Very few fans are grey  $\rightarrow$  True (It is definitely true)

II. No fan is grey  $\rightarrow$  False (It is definitely false)

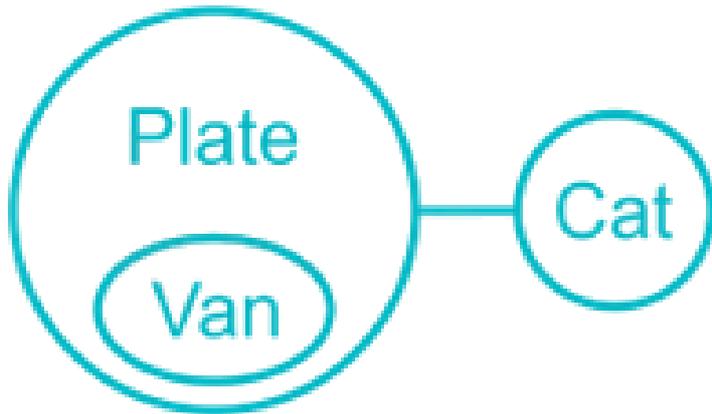
Hence, only I follows.

---

79. Answer: e

**Explanation:**

The possible diagrams of the statements are,



I. Some cats are plates  $\rightarrow$  False

II. No van is cat  $\rightarrow$  True

III. Some plates are vans  $\rightarrow$  True

Hence, only II and III follow.

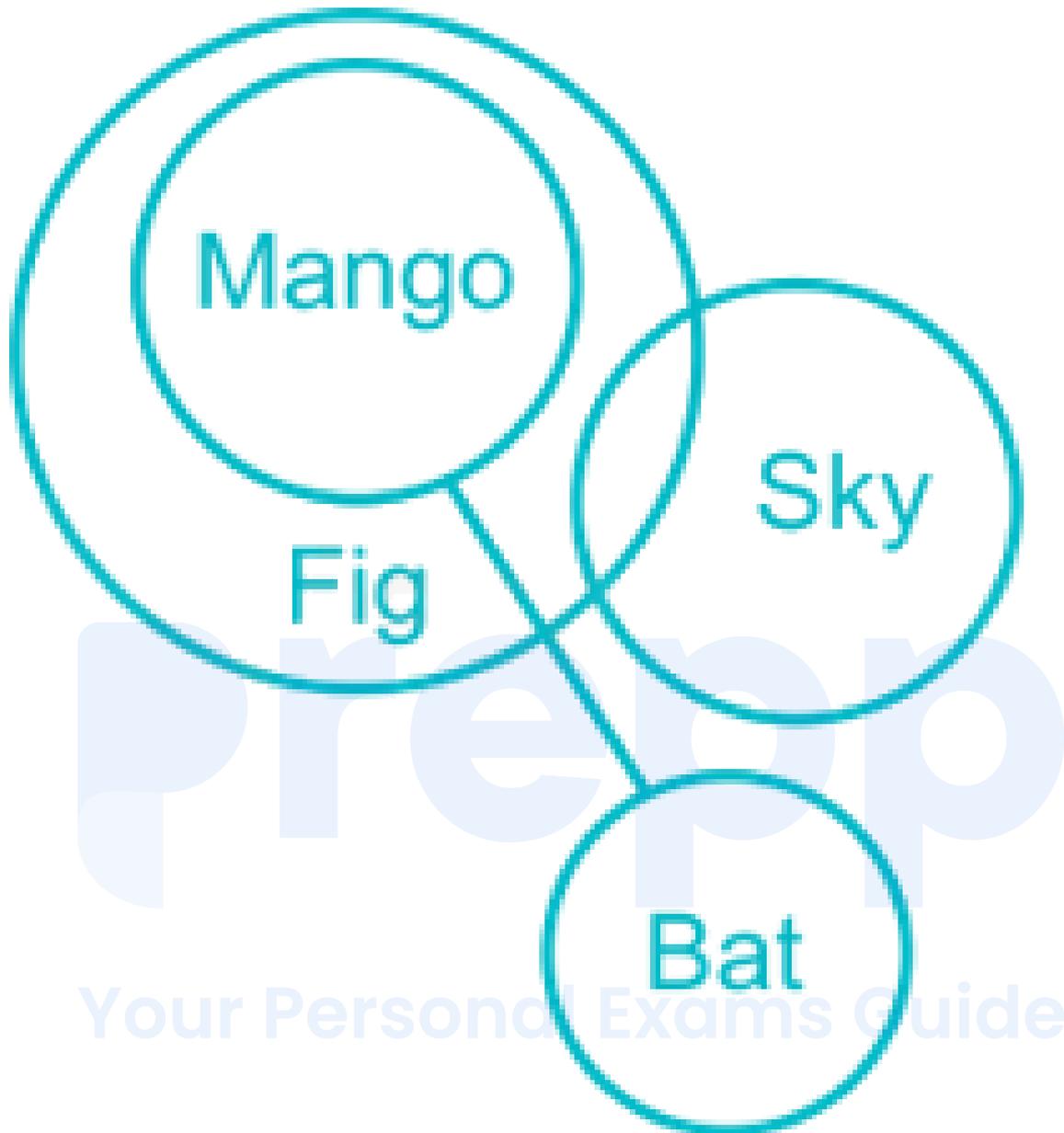
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80. Answer: e

**Explanation:**

The least possible Venn diagram for the given statements is as follows,

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Conclusions:

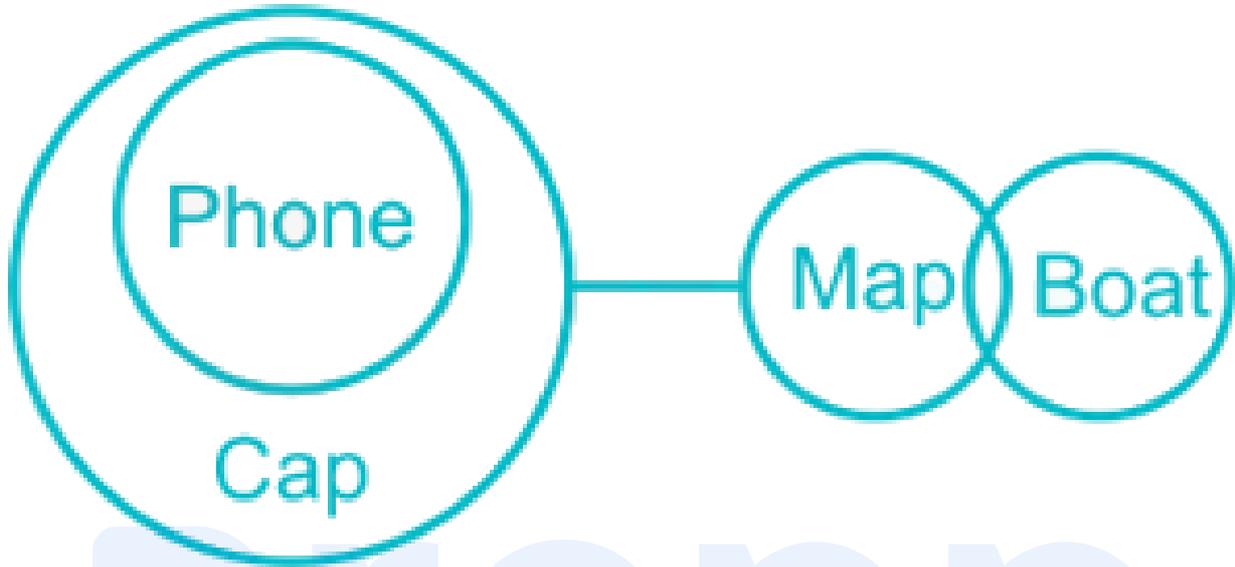
- I. Some figs are mangoes → True (as shown in figure)
  - II. Some skies are bats → False (it is possible but not definite)
  - III. Some skies being mangoes is a possibility → True
- Hence, only I and III follow.

---

81. Answer: b

**Explanation:**

The least possible Venn diagram for the given statements is as follows



Conclusions:

I. No cap is a boat → False, as no cap is map.

II. Some boats being phones is a possibility → True (it is possible but not definite)

Hence, only conclusion II follows.

82. **Answer: c** Your Personal Exams Guide

**Explanation:**

Persons: Row 1 – A, B, C, D, E.

Row 2 – L, M, N, O, P.

Directions: North and South

B sits second to the right of D who is sitting in the middle of the row.

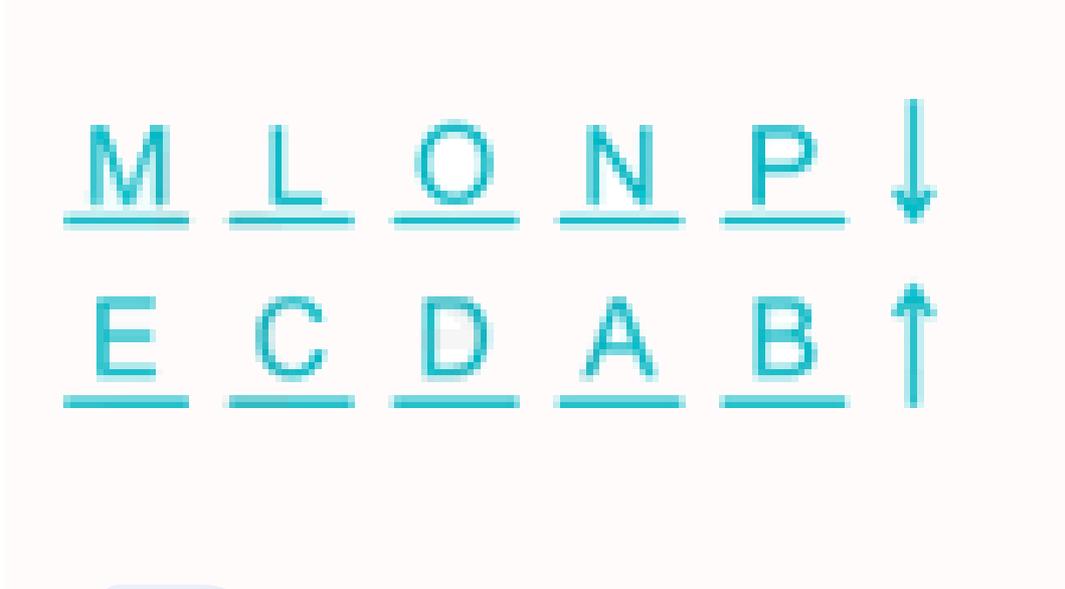
The person facing B sits to the immediate left of N.

L sits second to the right of N.

Only two persons sit between L and P.

E is not an immediate neighbour of D.

O does not face E.  
C is not facing N.



Hence, O sits exactly in the middle of the row is true.

83. Answer: e

Explanation:

Persons: Row 1 – A, B, C, D, E.

Row 2 – L, M, N, O, P.

Directions: North and South

B sits second to the right of D who is sitting in the middle of the row.

The person facing B sits to the immediate left of N.

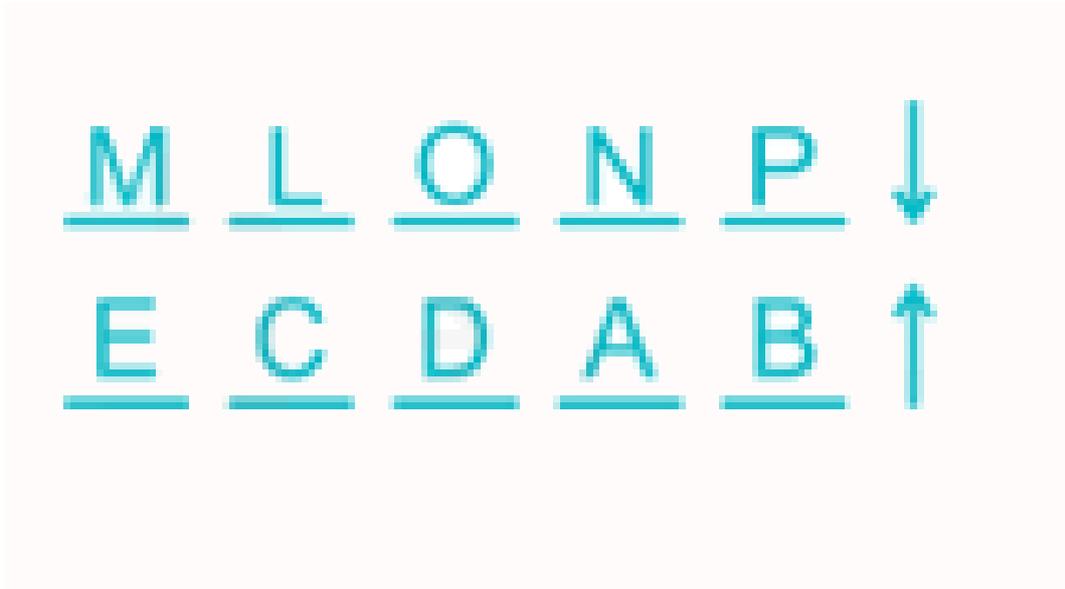
L sits second to the right of N.

Only two persons sit between L and P.

E is not an immediate neighbour of D.

O does not face E.

C is not facing N.



Hence, N is facing A.

84. Answer: a

**Explanation:**

Persons: Row 1 – A, B, C, D, E.

Row 2 – L, M, N, O, P.

Directions: North and South

B sits second to the right of D who is sitting in the middle of the row.

The person facing B sits to the immediate left of N.

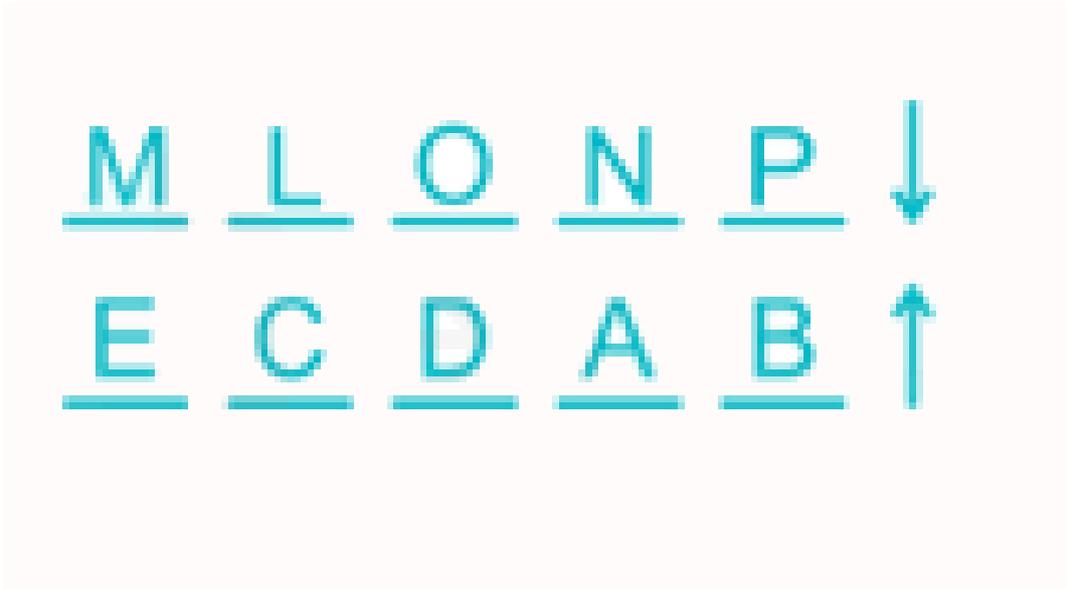
L sits second to the right of N.

Only two persons sit between L and P.

E is not an immediate neighbour of D.

O does not face E.

C is not facing N.



Hence, E is facing M.

85. Answer: d

**Explanation:**

Persons: Row 1 – A, B, C, D, E.

Row 2 – L, M, N, O, P.

Directions: North and South

B sits second to the right of D who is sitting in the middle of the row.

The person facing B sits to the immediate left of N.

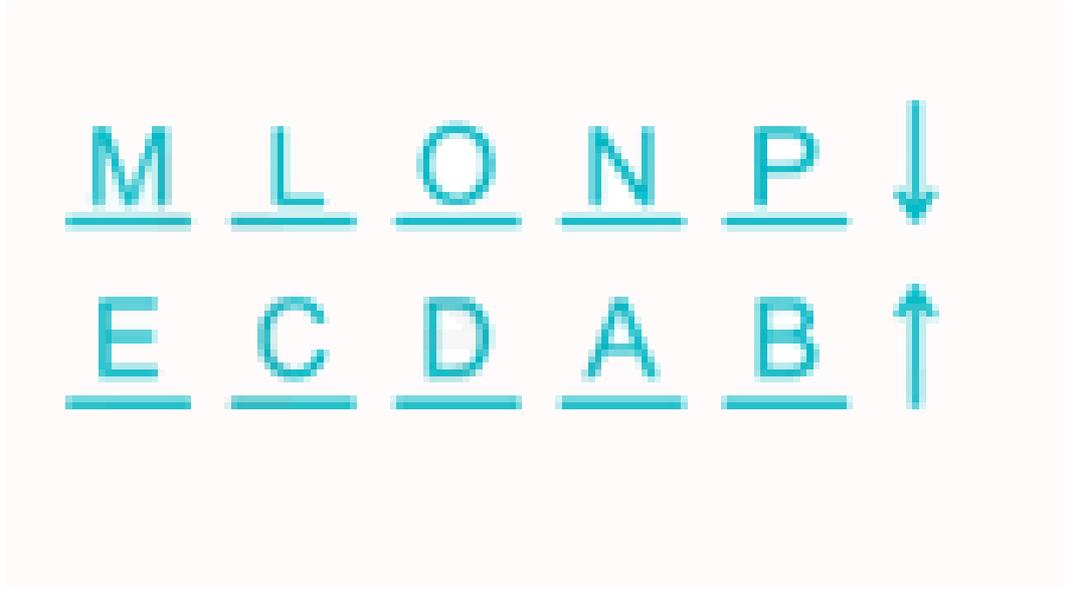
L sits second to the right of N.

Only two persons sit between L and P.

E is not an immediate neighbour of D.

O does not face E.

C is not facing N.



Except, 'PO' all others are neighbours of each other.  
Hence, 'PO' is the odd one.

86. Answer: b

**Explanation:**

Persons: Row 1 – A, B, C, D, E.

Row 2 – L, M, N, O, P.

Directions: North and South

B sits second to the right of D who is sitting in the middle of the row.

The person facing B sits to the immediate left of N.

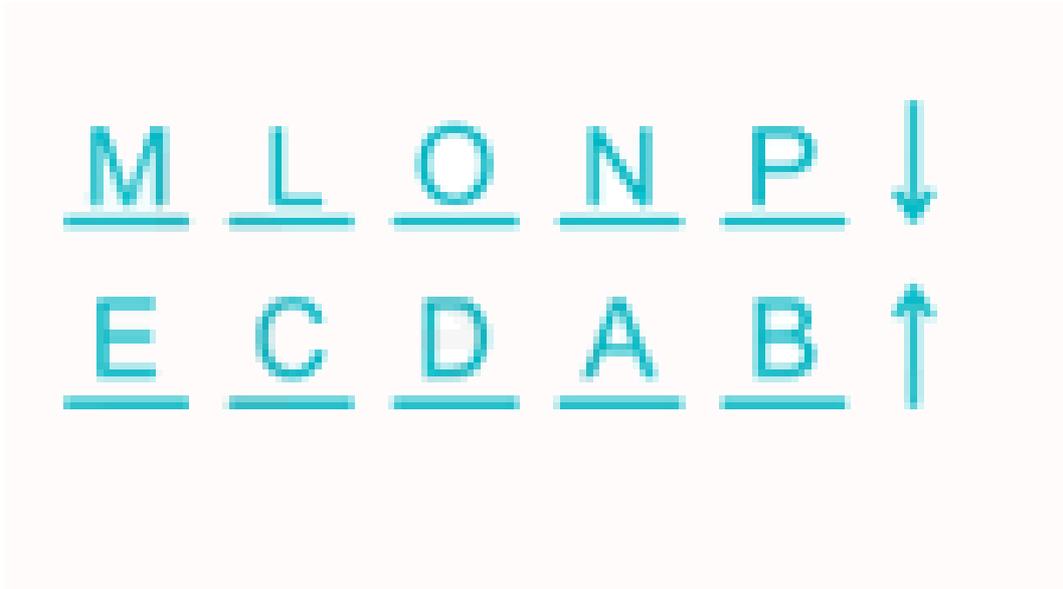
L sits second to the right of N.

Only two persons sit between L and P.

E is not an immediate neighbour of D.

O does not face E.

C is not facing N.



Hence, C is third to the left of B.

87. Answer: c

**Explanation:**

- 1. Immediately preceded by means immediately before or to come just before.
- 2. Immediately followed by means immediately after or to come just after.
- 3. Here, G @ I will not followed this condition and I is a vowel not consonant.

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W Right Side

1) Symbols which are immediately followed by a consonant but not preceded by another symbol:

Condition to be checked:

Not symbol → Symbol → Consonant

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

Here there are 2 Symbols which is immediately followed by a consonant but not preceded by another symbol: 1 \* V, 2 \$ W.

Hence, there are 2 symbols which is immediately followed by a consonant but not preceded by another symbol.

**88. Answer: a**

**Explanation:**

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W Right Side

Here the group is formed in which second element is to the immediate left of the first element, and the third element is immediate right of the first element.

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W Right Side

Hence, I L @ does not belong to the group.

**89. Answer: e**

**Explanation:**

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W Right Side

1) If all the numbers are dropped:

# B G @ I L H A % © D F K E J Q \* V T U \$ W

2) Fifth to the left of eleventh from the left.

As, Left - Left = Left

11th from the left - 5th from the left = 6th from the left

Clearly, 6th from the left is L.

Then, letter / Symbol that is fifth to the left of eleventh from the left is 'L'.

**90. Answer: d**

**Explanation:**

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W Right Side

B G : L 7 :: A % : ?

Clearly, the logic behind this is; the elements are neighbors and there are 2 spaces between two groups of neighbors.  
Hence, the next term is FK.

---

91. **Answer: b**

**Explanation:**

Given series:

Left Side # 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W Right Side

1) Vowels which are immediately followed by a symbol and also immediately preceded by a consonant:

# 6 B G @ I L 7 3 H A % © D F K E 8 J Q 1 \* V T U 2 \$ W

Hence, there is 1 Vowel which is immediately followed by a symbol and also immediately preceded by a consonant: H A %

---

92. **Answer: b**

**Explanation:**

Given word: ACKNOWLEDGE

2nd letter = C; 4th letter = N; 5th letter = O; 6th letter = W; 7th letter = L

Letters given: C N O W L

Possible words: C L O W N (a comic entertainer)

Hence, only one word can be formed and the first letter of the word is "C".

---

93. **Answer: e**

**Explanation:**

Seven persons: A, B, C, D, E, F and G

Items: Eraser, Pen, TV, Printer, Mouse, Mug and Phone

- 1) There is a gap of 4 persons between E and G who purchased a printer.
- 2) E didn't come first or at last.
- 3) A purchased a mouse and there is a gap of 2 persons between A and E.
- 4) C purchased eraser immediately before A.
- 5) D purchased phone immediately before E who purchased a TV.

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Your Personal Exams Guide

Person	Product
D	Phone
	
Your Personal Exams Guide	
C	Eraser
A	Mouse

A	IVIUUSE
G	Printer

- 6) The many persons came after A are the same as the number of persons came before F who purchased the pen.
- 7) The mug is purchased by B.

## Your Personal Exams Guide

# Case I

Person	Product
D	Phone
E	TV
F	Pen

C	Eraser
A	Mouse
B	Mug
G	Printer

Hence, F purchased the pen.

94. Answer: c

Explanation:

Seven persons: A, B, C, D, E, F and G

Items: Eraser, Pen, TV, Printer, Mouse, Mug and Phone

- 1) There is a gap of 4 persons between E and G who purchased a printer.
- 2) E didn't come first or at last.
- 3) A purchased a mouse and there is a gap of 2 persons between A and E.
- 4) C purchased eraser immediately before A.
- 5) D purchased phone immediately before E who purchased a TV.

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Your Personal Exams Guide

Person	Product
D	Phone
	
Your Personal Exams Guide	
C	Eraser
A	Mouse

A	IVIUIST
G	Printer

- 6) The many persons came after A are the same as the number of persons came before F who purchased the pen.
- 7) The mug is purchased by B.

## Your Personal Exams Guide

# Case I

Person

Product

D

Phone

E

TV

F

Pen

C	Eraser
A	Mouse
B	Mug
G	Printer

Hence, there are 3 persons between F and G.

95. Answer: b

Explanation:

Seven persons: A, B, C, D, E, F and G

Items: Eraser, Pen, TV, Printer, Mouse, Mug and Phone

- 1) There is a gap of 4 persons between E and G who purchased a printer.
- 2) E didn't come first or at last.
- 3) A purchased a mouse and there is a gap of 2 persons between A and E.
- 4) C purchased eraser immediately before A.
- 5) D purchased phone immediately before E who purchased a TV.

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Your Personal Exams Guide

Person	Product
D	Phone
	
Your Personal Exams Guide	
C	Eraser
A	Mouse

A	IVIUISE
G	Printer

6) The many persons came after A are the same as the number of persons came before F who purchased the pen.

7) The mug is purchased by B.

## Your Personal Exams Guide

# Case I

Person

Product

D

Phone

E

TV

F

Pen

C	Eraser
A	Mouse
B	Mug
G	Printer

Hence, the mouse has been purchased just before mug.

96. Answer: a

Explanation:

Seven persons: A, B, C, D, E, F and G

Items: Eraser, Pen, TV, Printer, Mouse, Mug and Phone

- 1) There is a gap of 4 persons between E and G who purchased a printer.
- 2) E didn't come first or at last.
- 3) A purchased a mouse and there is a gap of 2 persons between A and E.
- 4) C purchased eraser immediately before A.
- 5) D purchased phone immediately before E who purchased a TV.

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Your Personal Exams Guide

Person	Product
D	Phone
	
Your Personal Exams Guide	
C	Eraser
A	Mouse

A	IVIUISE
G	Printer

6) The many persons came after A are the same as the number of persons came before F who purchased the pen.

7) The mug is purchased by B.

## Your Personal Exams Guide

Case I	
Person	Product
D	Phone
E	TV
F	Pen

C	Eraser
A	Mouse
B	Mug
G	Printer

The printer was purchased at last.

97. Answer: e

Explanation:

Seven persons: A, B, C, D, E, F and G

Items: Eraser, Pen, TV, Printer, Mouse, Mug and Phone

- 1) There is a gap of 4 persons between E and G who purchased a printer.
- 2) E didn't come first or at last.
- 3) A purchased a mouse and there is a gap of 2 persons between A and E.
- 4) C purchased eraser immediately before A.
- 5) D purchased phone immediately before E who purchased a TV.

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Your Personal Exams Guide

Person	Product
D	Phone
	
Your Personal Exams Guide	
C	Eraser
A	Mouse

A	IVIUISE
G	Printer

6) The many persons came after A are the same as the number of persons came before F who purchased the pen.

7) The mug is purchased by B.

Your Personal Exams Guide

Case I	
Person	Product
D	Phone
E	TV
F	Pen

C	Eraser
A	Mouse
B	Mug
G	Printer

E came just before F to purchase.

98. Answer: c

Explanation:

Given statements:  $B > C; C \geq D = E; G \leq H < E \geq I = F$

On combining:  $B > C \geq D = E > H \geq G; C \geq D = E \geq I = F$

Conclusions:

I.  $F \leq C \rightarrow \text{True}$  (as  $F = I \leq E \rightarrow F \leq E$  and  $E = D \leq C \rightarrow F \leq C$ )

II.  $B > H \rightarrow \text{True}$  (as  $B > C \geq D = E \rightarrow B > E$  and  $H < E \rightarrow B > H$ )

Hence, both conclusions I and II follow.

99. Answer: c

Explanation:

Given statements:  $P = Q; Q \geq R; R < S; T > P; S \leq U$

On combining:  $T > P = Q \geq R < S \leq U$

Conclusions:

I.  $T > R \rightarrow \text{True}$  (as  $T > P = Q \geq R \rightarrow T > R$ )

II.  $R < U \rightarrow \text{True}$  (as  $R < S \leq U \rightarrow R < U$ )

Hence, both conclusions I and II follow.

100. Answer: c

Explanation:

Given statements:  $V \geq W; X > Y; V \geq Z; W \geq X$

On combining:  $V \geq W \geq X > Y; V \geq Z$

Conclusions:

I.  $X > Z \rightarrow \text{False}$  (as  $X \leq V \geq Z \rightarrow$  thus relationship between X and Z cannot be determined)

II.  $Z > W \rightarrow \text{False}$  (as  $W \leq V \geq Z \rightarrow$  thus relationship between W and Z cannot be determined)

III.  $W > Y \rightarrow \text{True}$  ( $W \geq X > Y$ )

Therefore, only conclusion III is true and follows the statement.