

## English

1. **Directions:** In the given question, a word has been printed in bold. Below the sentence, (+1, -0.25) alternatives to the emboldened word have been given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct as it is, your answer will be option (E), i.e., "No replacement required".

After an deliberate **period of inactivity**, Vesuvius erupted with devastating force in AD 79.

- a. enlarged
- b. essential
- c. amplified
- d. extended
- e. No replacement required

2. **Directions:** In the given question, a word has been printed in bold. Below the sentence, (+1, -0.25) alternatives to the emboldened word have been given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct as it is, your answer will be option (E), i.e., "No replacement required".

The wedding received **extensive welcoming in the newspapers**.

- a. accounts
- b. critic
- c. coverage
- d. hunt
- e. No replacement required

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The modern publishing industry is dominated by a small number of large companies that have abandoned on more or less the same business model for decades.

- a. frowned
- b. relied
- c. caught
- d. influenced
- e. No replacement required

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E-learning has a considerable talent to improve the quality and effectiveness of traditional education.

- a. potential
- b. future
- c. impact
- d. degree
- e. No replacement required

5. **Directions:** Read the given passage carefully and answer the questions that follow. (+1, -0.25)

Certain words are printed in bold to help you locate them while answering some of the these.

If you're concerned that automation and artificial intelligence are going to disrupt the economy over the next decade, join the club. But while policymakers and academics agree there'll be significant disruption, they differ about its impact. On one hand, techno-pessimists argue that new forms of automation will displace most jobs without creating new ones. In other words, most of us will lose our jobs. On the flip side of the debate, techno optimists contend that continued investments in education and research and development will offset the job losses and generate many new human tasks that complement AI.

Researchers have been studying jobs that involve digital skills for years to try to understand their merit. But what does it really mean for a job or skill to be "digital"? In earlier research, all it meant was that a worker used a computer. Since nearly all workers use a PC today, we need a more refined definition of digital skills that takes into account how much a job depends on doing things like programming, crunching data in Excel spreadsheets and even using a smartphone.

In a particular research, a new way was created to measure digital or information technology skills in the labour market based on how frequently they're used in an occupation. For example, how much time does a financial adviser spend analysing data or an event planner use a computer?

It was found that workers in occupations that rank higher in IT industry earn more than demographically similar peers in other occupations – and that this earnings gap has been growing. Not only that, but it was also found something interesting on the impact of a college degree on the lifetime earnings of a person in IT industry. Historically, workers with a college degree have earned a lot more than peers without one. Even the level of the college makes a difference. Recent research has shown that this so-called college premium has been flattening.

The main cause, according to the analysis, is that the college premium for occupations requiring fewer digital skills has been declining, while it has been rising for those we identified as digital jobs such as software developers, programmers and aerospace engineering. At least some of the flattening in the college premium is due to the increasing number of bachelor's degrees that convey few skills that are valued in the marketplace.

Another research compares the measures of job quality – such as a sense of purpose, enjoyability and career advancement – with income, occupations and a range of demographic characteristics. It found that jobs that require greater interaction with technology tended to score higher in quality, particularly in terms of measures like career advancement.

The fact that these jobs not only pay more but also provide greater levels of employee satisfaction and engagement paints a more optimistic picture about the future of work. And that gives hope, particularly since the digital economy is growing at a pace nearly four times faster than the broader economy.

The key is making tomorrow's jobs "robot-proof" by designing them in a way that takes advantage of the digital skills described above. And universities must play a big role in this by identifying what a good job looks like and ensuring future generations learn the necessary skills.

According to the passage, why are some people concerned with the ongoing transformation of the economy brought by the use of automation and AI?

- a. In the labour market, opportunities for acquiring skills for handling automated machines are scant.
- b. More automation will mean lesser requirement of manual labour and thus will result in loss of jobs.
- c. People do not find it enjoyable to expand their knowledge base and avoid embracing new technology.
- d. It is not possible for automated machines to do all the jobs currently being done by manual labour.
- e. Products produced by automated machines driven by AI are cheaper and more in demand.

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Which of the following statement (s) can be inferred about holding a higher rank in IT intensity?

I. Degrees from better colleges offering skillsets hold value in the marketplace.

II. Demographic background has either no or not much influence on the rank a person hold.

III. A person at a higher rank has a greater sense of purpose and enjoys his role more than someone at a lower rank.

- a. Only I
- b. Only III
- c. Both II and III
- d. Both I and II
- e. All of the above

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Which of the following is TRUE with respect to the context of the passage?

- I. In terms of quality, jobs that involve a greater interaction with technology, tend to score higher than ones that require lesser interaction.
- II. The rate at which digital economy is sluggish when compared with the rate at which the broader economy is growing.
- III. Even with continued investments in education and research it will not be possible to cover up the job losses which will happen due to increased use of automated technology.

- a. Only I
- b. Only III
- c. Both II and III
- d. Both I and II

e. All of the above

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Which of the following is/are a reason for the flattening in the college premiums?

- I. the college premium for occupations requiring fewer digital skills has been declining.
- II. the college premium for digital jobs such as software developers, programmers and aerospace engineering.
- III. the increasing number of bachelor's degrees that convey few skills that are valued in the marketplace.

- a. Only I
- b. Only III
- c. Both II and III
- d. Both I and II
- e. All of the above

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A “digital” job or skill means \_\_\_\_\_

- A. The remuneration & perks generated by utilizing the digital or information technology skills.
- B. A worker using a computer.
- C. Frequency of using digital or information technology skills.

- a. Only A
- b. Only C
- c. Both B and C
- d. All A, B and C
- e. Both A and B

10. **Directions:** Read the given passage carefully and answer the questions that follow. (+1, -0.25)

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Which of the following words as used in the passage can be replaced by the word "value"?

- a. impact
- b. account
- c. skills
- d. merit
- e. role

11. **Directions:** Read the given passage carefully and answer the questions that follow. (+1, -0.25)  
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Which of the following is the MOST SIMILAR in meaning to the given word as used in the passage?

**'Refined'**

- a. novice
- b. gallant
- c. natural
- d. improved
- e. pure

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Which of the following is the MOST SIMILAR in meaning to the given word as used in the passage?

'Pace'

- a. stride
- b. speedy
- c. rate

- d. crawl
- e. inhibit

13. **Directions:** Three statements are given below at A, B and C . There may be some errors in the given statements. Mark the correct statement as the answer. If all the statements are incorrect, mark option E, i.e., "All are incorrect" as the answer. (+1, -0.25)

- A) The supervisor charged his assistant of negligence towards duty.
- B) The report state that the project have been running on time.
- C) The government is heavily relying on the Atma nirbhar project to cope with the economic slump.

- a. Only A
- b. Only B
- c. Only C
- d. Both A and C
- e. All are incorrect

14. **Directions:** Three statements are given below at A, B and C . There may be some errors in the given statements. Mark the correct statement as the answer. If all the statements are incorrect, mark option E, i.e., "All are incorrect" as the answer. (+1, -0.25)

- A) The centre and the service has been under development for the last one and a half years.
- B) The centre will run on advanced technologies and AI / ML tools to mitigate potential threats.
- C) We will be continue to invest in the centre in all forms as the business expands.

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



- d. Both A and C
- e. All are incorrect

15. **Directions:** Three statements are given below at A, B and C . There may be some errors in the given statements. Mark the correct statement as the answer. If all the statements are incorrect, mark option E, i.e., "All are incorrect" as the answer. (+1, -0.25)

- A) The minister took full responsibility on the disaster and resigned.
- B) The government have come under attack from all sides for cutting education spending.
- C) The Republicans are relying on their agricultural policies to deliver the farmers' votes.

- a. Only A
- b. Only B
- c. Only C
- d. Both A and C
- e. All are incorrect

## Your Personal Exams Guide

16. **Directions:** In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement. (+1, -0.25)

- A) to larger entities such as customers
- B) and suppliers and reach out
- C) adoption of the cloud enables business giants
- D) to global customers efficaciously
- E) to run their processes, connect

- a. CEBAD
- b. CAEBD
- c. CEABD

d. CBEAD

e. CDEAB

17. **Directions:** In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement. **(+1, -0.25)**

A) manage music playback and

B) calls with just a few

C) clicks on the back of the earbud

D) touch controls that can help you

E) OnePlus earbuds offer

a. EABDC

b. EDBAC

c. EADBC

d. EDACB

e. EDABC

## Your Personal Exams Guide

18. **Directions:** In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement. **(+1, -0.25)**

A) to localise in the vicinity of the cancerous site

B) the study highlighted

C) by manoeuvring nanomotors inside

D) a new way of targeting cancer cells

E) a tumour and waiting for them

a. BCDEA

b. BDCEA

c. BECDA

d. EBCAD

e. EABCD

19. **Directions:** In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement. **(+1, -0.25)**

A) a press conference in Ottawa,

B) on family members, study permit

C) holders, and people entering on compassionate grounds

D) as announced at

E) Canada is planning to ease travel restrictions

a. DEABC

b. DBCAE

c. DAEBC

d. DABEC

e. DCAEB

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20. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete. **(+1, -0.25)**

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a **(Q.20)** factor in our mental health, we cannot **(Q.21)** to ignore any of them. If we plan our time better, we not only get more done, we are more efficient, satisfied and **(Q.22)** yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain **(Q.23)** and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. **(Q.24)** your work based on your values. Sometimes we won't get everything done, but if we get the right things

done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time (Q.25). Finally, remember to take a break and know your (Q.26) for stress.

Overworking is counterproductive and more often than not results in burn out.

Remember, it doesn't matter what the tasks are, learning to better manage your time to do them will result in less stress and more focus, productivity, efficiency and (in the end) relaxation.

Find out the appropriate word in each case.

- a. important
- b. additional
- c. sole
- d. crucial
- e. only

21. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete. (+1, -0.25)

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a (Q.20) factor in our mental health, we cannot (Q.21) to ignore any of them. If we plan our time better, we not only get more done, we are more efficient, satisfied and (Q.22) yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain (Q.23) and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. (Q.24) your work based on your values. Sometimes we won't get everything done, but if we get the right things done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time (Q.25). Finally, remember to take a break and know your (Q.26) for stress.

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to do them will result in less stress and more focus, productivity, efficiency and (in the end) relaxation.

Find out the appropriate word in each case.

- a. deny
- b. falter
- c. afford
- d. forget
- e. bestow

22. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete. (+1, -0.25)

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a **(Q.20)** factor in our mental health, we cannot **(Q.21)** to ignore any of them. If we plan our time better, we not only get more done, we are more efficient, satisfied and **(Q.22)** yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain **(Q.23)** and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. **(Q.24)** your work based on your values. Sometimes we won't get everything done, but if we get the right things done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time **(Q.25)**. Finally, remember to take a break and know your **(Q.26)** for stress.

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Find out the appropriate word in each case.

- a. annoyed

- b. stressed
- c. unrestricted
- d. acknowledged
- e. motivated

23. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete. (+1, -0.25)

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a **(Q.20)** factor in our mental health, we cannot **(Q.21)** to ignore any of them. If we plan our time better, we not only get more done, we are more efficient, satisfied and **(Q.22)** yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain **(Q.23)** and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. **(Q.24)** your work based on your values. Sometimes we won't get everything done, but if we get the right things done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time **(Q.25)**. Finally, remember to take a break and know your **(Q.26)** for stress.

Overworking is counterproductive and more often than not results in burn out. Remember, it doesn't matter what the tasks are, learning to better manage your time to do them will result in less stress and more focus, productivity, efficiency and (in the end) relaxation.

Find out the appropriate word in each case.

- a. ability
- b. anxiety
- c. stability
- d. attention

e. advanced

24. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete. **(+1, -0.25)**

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a **(Q.20)** factor in our mental health, we cannot **(Q.21)** to ignore any of them. If we plan our time better, we not only get more done, we are more efficient, satisfied and **(Q.22)** yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain **(Q.23)** and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. **(Q.24)** your work based on your values. Sometimes we won't get everything done, but if we get the right things done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time **(Q.25)**. Finally, remember to take a break and know your **(Q.26)** for stress.

Overworking is counterproductive and more often than not results in burn out. Remember, it doesn't matter what the tasks are, learning to better manage your time to do them will result in less stress and more focus, productivity, efficiency and (in the end) relaxation.

Find out the appropriate word in each case.

- a. scatter
  - b. neglect
  - c. estimate
  - d. prioritise
  - e. calculate
25. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against

each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete.

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a (Q.20) factor in our mental health, we cannot (Q.21) to ignore any of them. If we plan our time better, we not only get more done, we are more efficient, satisfied and (Q.22) yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain (Q.23) and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. (Q.24) your work based on your values. Sometimes we won't get everything done, but if we get the right things done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time (Q.25). Finally, remember to take a break and know your (Q.26) for stress.

Overworking is counterproductive and more often than not results in burn out. Remember, it doesn't matter what the tasks are, learning to better manage your time to do them will result in less stress and more focus, productivity, efficiency and (in the end) relaxation.

Find out the appropriate word in each case.

- a. indecently
- b. awfully
- c. egregiously
- d. scantily
- e. effectively

26. **Directions:** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete. (+1, -0.25)

Many of us have a wide variety of responsibilities- familial, employment, educational, social – most of us even have all at the same time. Considering all our duties and the fact that time management is a (Q.20) factor in our mental health, we cannot (Q.21) to ignore any of them. If we plan our time better, we not only get more done, we are



more efficient, satisfied and **(Q.22)** yet relaxed; we are less likely to procrastinate over time. We experience less stress and more self-confidence and self-esteem. Put simply, this way we can attain **(Q.23)** and reach our goals easily. To do this, firstly it is important to identify what your personal obstacles are. Then write a to-do list of what needs to be done. Start with the most to least important. **(Q.24)** your work based on your values. Sometimes we won't get everything done, but if we get the right things done, your day has a good ending. Keep in mind that time management is not about doing everything that needs to be done, at all costs but rather using appropriate time **(Q.25)**. Finally, remember to take a break and know your **(Q.26)** for stress.

Overworking is counterproductive and more often than not results in burn out.

Remember, it doesn't matter what the tasks are, learning to better manage your time to do them will result in less stress and more focus, productivity, efficiency and (in the end) relaxation.

Find out the appropriate word in each case.

- a. level
- b. capacity
- c. scope
- d. proportion
- e. magnitude



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27. **Directions:** In the given statement some words have been highlighted. These words may not be at the correct place making the sentence grammatically and contextually incorrect. Choose the option which represents the correct sequence of words, which will make the sentence grammatically and contextually correct. If the sentence is correct as it is choose 'E' i.e. 'No rearrangement required' as your answer. (+1, -0.25)
- Coco Chanel's great **comfortable** (A) to fashion was to make clothes elegant and **functioning** (B) for a person **contribution** (C) in a rule bound public sphere.

- a. ACB
- b. BCA
- c. CAB

- d. CBA
- e. No rearrangement required

28. **Directions:** In the given statement some words have been highlighted. These words may not be at the correct place making the sentence grammatically and contextually incorrect. Choose the option which represents the correct sequence of words, which will make the sentence grammatically and contextually correct. If the sentence is correct as it is choose 'E' i.e. 'No rearrangement required' as your answer. In **state** (A), authority is vested in the rule of citizenship that **politics** (B) the powers of the **limits** (C). (+1, -0.25)

- a. ACB
- b. CAB
- c. BAC
- d. BCA
- e. No rearrangement required

29. **Directions:** In the given statement some words have been highlighted. These words may not be at the correct place making the sentence grammatically and contextually incorrect. Choose the option which represents the correct sequence of words, which will make the sentence grammatically and contextually correct. If the sentence is correct as it is choose 'E' i.e. 'No rearrangement required' as your answer. Regular exercise can help **boost** (A) stress levels, **lead** (B) your chances of appetite control and **reduce** (C) to significant weight loss. (+1, -0.25)

- a. CBA
- b. BCA
- c. CAB
- d. ACB

e. No rearrangement required

30. **Directions:** In the given statement some words have been highlighted. These words may not be at the correct place making the sentence grammatically and contextually incorrect. Choose the option which represents the correct sequence of words, which will make the sentence grammatically and contextually correct. If the sentence is correct as it is choose 'E' i.e. 'No rearrangement required' as your answer. (+1, -0.25)  
The minister **resources** (A) an **needed** (B) to arrange better **application** (C).

a. ACB

b. CAB

c. BCA

d. CBA

e. No rearrangement required

prepp

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## Reasoning

31. Study the following information carefully and answer the given questions. Eight persons A, B, C, D, E, F, G, and H are seated in a linear row, some of them are facing North while others are facing South. H sits second to the left of E, who sits at an end of the row. D sits to the immediate right of A, who faces the South. C sits second to the left of D, who faces the same direction as E. H, who is not an immediate neighbour of A, faces the opposite direction of E. F, who is not a neighbour of E or H, faces the opposite direction of C. B faces the South. G sits second to the right of B. E and G face the same direction. C and D do not face the same direction. E and G does not sit adjacent to each other. How many people are facing North? (+1, -0.25)

- a. 3
- b. 4
- c. 5
- d. 2
- e. None of the above

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32. Study the following information carefully and answer the given questions. Eight persons A, B, C, D, E, F, G, and H are seated in a linear row, some of them are facing North while others are facing South. H sits second to the left of E, who sits at an end of the row. D sits to the immediate right of A, who faces the South. C sits second to the left of D, who faces the same direction as E. H, who is not an immediate neighbour of A, faces the opposite direction of E. F, who is not a neighbour of E or H, faces the opposite direction of C. B faces the South. G sits second to the right of B. E and G face the same direction. C and D do not face the same direction. E and G does not sit adjacent to each other. Who among the following sits third to the right of B? (+1, -0.25)

- a. D
- b. A

- c. F
- d. C
- e. None of the above

33. Study the following information carefully and answer the given questions. Eight persons A, B, C, D, E, F, G, and H are seated in a linear row, some of them are facing North while others are facing South. H sits second to the left of E, who sits at an end of the row. D sits to the immediate right of A, who faces the South. C sits second to the left of D, who faces the same direction as E. H, who is not an immediate neighbour of A, faces the opposite direction of E. F, who is not a neighbour of E or H, faces the opposite direction of C. B faces the South. G sits second to the right of B. E and G face the same direction. C and D do not face the same direction. E and G does not sit adjacent to each other. Four of the following five are alike in a certain way and thus form a group. Find the one that does not belong to the group. (+1, -0.25)

- a. C-F
- b. D-A
- c. B-H
- d. F-C
- e. A-G

34. Study the following information carefully and answer the given questions. Eight persons A, B, C, D, E, F, G, and H are seated in a linear row, some of them are facing North while others are facing South. H sits second to the left of E, who sits at an end of the row. D sits to the immediate right of A, who faces the South. C sits second to the left of D, who faces the same direction as E. H, who is not an immediate neighbour of A, faces the opposite direction of E. F, who is not a neighbour of E or H, faces the opposite direction of C. B faces the South. G sits second to the right of B. E and G face the same direction. C and D do not face the same direction. E and G does not sit adjacent to each other. Which of the following statements are correct? (+1, -0.25)

- a. D sits fourth to the right of E
- b. C is an immediate neighbour of G
- c. F sits second to the left of H
- d. B faces the same direction as C
- e. None is true

35. Study the following information carefully and answer the given questions. Eight persons A, B, C, D, E, F, G, and H are seated in a linear row, some of them are facing North while others are facing South. H sits second to the left of E, who sits at an end of the row. D sits to the immediate right of A, who faces the South. C sits second to the left of D, who faces the same direction as E. H, who is not an immediate neighbour of A, faces the opposite direction of E. F, who is not a neighbour of E or H, faces the opposite direction of C. B faces the South. G sits second to the right of B. E and G face the same direction. C and D do not face the same direction. E and G does not sit adjacent to each other. Who among the following sits fifth to the left of C? (+1, -0.25)

- a. H
- b. B
- c. A
- d. E
- e. None of the above

36. Six persons A, B, C, D, E, and F are seated around a circular arrangement facing the centre. Each of them like different fruits, viz. Banana, Mango, Grape, Papaya, Guava, and Apple. The one who likes Guava sits to the immediate right of A. C likes Mango and sits third to the right of D. B sits second to the left of C. B likes neither Papaya nor Grape. A is adjacent to neither C nor F. The one who likes Grapes sits second to the right of the one who likes Papaya. E is adjacent to the one who does not like Apple. (+1, -0.25)

How many people sit between the ones who like Papaya and Apple when counted anti-clockwise from the one who likes Papaya?

- a. None
- b. 1
- c. 2
- d. 4
- e. 3

37. Six persons A, B, C, D, E, and F are seated around a circular arrangement facing the centre. **(+1, -0.25)**

Each of them like different fruits, viz. Banana, Mango, Grape, Papaya, Guava, and Apple. The one who likes Guava sits to the immediate right of A. C likes Mango and sits third to the right of D. B sits second to the left of C. B likes neither Papaya nor Grape. A is adjacent to neither C nor F. The one who likes Grapes sits second to the right of the one who likes Papaya. E is adjacent to the one who does not like Apple.

Who amongst the following sits fourth to the left of E?

- a. B
- b. C
- c. D
- d. A
- e. None of the above

38. Study the following information carefully and answer the given questions. Six persons **(+1, -0.25)**

A, B, C, D, E, and F are seated around a circular arrangement facing the centre. Each of them like different fruits, viz. Banana, Mango, Grape, Papaya, Guava, and Apple. The

one who likes Guava sits to the immediate right of A. C likes Mango and sits third to the right of D. B sits second to the left of C. B likes neither Papaya nor Grape. A is adjacent to neither C nor F. The one who likes Grapes sits second to the right of the one who likes Papaya. E is adjacent to the one who does not like Apple. Who likes Banana?

- a. A
- b. B
- c. F
- d. E

39. Six persons A, B, C, D, E, and F are seated around a circular arrangement facing the centre. **(+1, -0.25)** Each of them like different fruits, viz. Banana, Mango, Grape, Papaya, Guava, and Apple. The one who likes Guava sits to the immediate right of A. C likes Mango and sits third to the right of D. B sits second to the left of C. B likes neither Papaya nor Grape. A is adjacent to neither C nor F. The one who likes Grapes sits second to the right of the one who likes Papaya. E is adjacent to the one who does not like Apple.

Who amongst the following sits second to the left of A?

- a. F
- b. E
- c. D
- d. C
- e. None of the above

40. Study the following information carefully and answer the given questions. Six persons **(+1, -0.25)** A, B, C, D, E, and F are seated around a circular arrangement facing the centre. Each of



them like different fruits, viz. Banana, Mango, Grape, Papaya, Guava, and Apple. The one who likes Guava sits to the immediate right of A. C likes Mango and sits third to the right of D. B sits second to the left of C. B likes neither Papaya nor Grape. A is adjacent to neither C nor F. The one who likes Grapes sits second to the right of the one who likes Papaya. E is adjacent to the one who does not like Apple. Who likes Guava?

- a. A
- b. F
- c. D
- d. E
- e. None of the above

41. How many such pairs of digits are there in the number '73951286' each of which has as many digits between them in the number as in the number series (Both forward and backward)? **(+1, -0.25)**

- a. 1
- b. More than 4
- c. 2
- d. 4
- e. 3

42. If all the vowels are arranged in alphabetical order from left to right and after that, all the consonants are arranged in alphabetical order from left to right of the word 'ALONGWITH', then which letter is fourth from the right end? **(+1, -0.25)**

- a. T
- b. L

- c. G
- d. O
- e. W

43. Study the following information and answer the questions that follow. In an artificial language, "Square Love On Black" is written as "dl ap xy bc" "Square floor On Black" is written as "dl uv bc ap" "Love Wings Beauty Nice" is written as "sq xy om rz" "Wings Beauty Floor Black" is written as "sq rz uv bc" How is "beauty" coded in the given language? **(+1, -0.25)**

- a. sq
- b. rz
- c. om
- d. Either A or B
- e. uv



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44. Study the following information and answer the questions that follow. In an artificial language, "Square Love On Black" is written as "dl ap xy bc" "Square floor On Black" is written as "dl uv bc ap" "Love Wings Beauty Nice" is written as "sq xy om rz" "Wings Beauty Floor Black" is written as "sq rz uv bc" How is "love" coded in the given language? **(+1, -0.25)**

- a. bc
- b. xy
- c. rz
- d. ap

45. Study the following information and answer the questions that follow. In an artificial language, "Square Love On Black" is written as "dl ap xy bc" "Square floor On Black" is written as "dl uv bc ap" "Love Wings Beauty Nice" is written as "sq xy om rz" "Wings Beauty Floor Black" is written as "sq rz uv bc" What is the meaning of the code "dl"?

(+1, -0.25)

- a. Square
- b. Black
- c. On
- d. Floor
- e. Either A or C

46. Study the following information and answer the questions that follow. In an artificial language, "Square Love On Black" is written as "dl ap xy bc" "Square floor On Black" is written as "dl uv bc ap" "Love Wings Beauty Nice" is written as "sq xy om rz" "Wings Beauty Floor Black" is written as "sq rz uv bc" What is the Code for "Black floor"?

(+1, -0.25)

- a. bc uv
- b. xy uv
- c. bc dl
- d. ap uv
- e. None of the above

47. Study the following information and answer the questions that follow. In an artificial language, "Square Love On Black" is written as "dl ap xy bc" "Square floor On Black" is written as "dl uv bc ap" "Love Wings Beauty Nice" is written as "sq xy om rz" "Wings Beauty Floor Black" is written as "sq rz uv bc" What does the code "sq" mean?

(+1, -0.25)

- a. Extra
- b. Nice

- c. Wings
- d. Cannot be determined
- e. None of the above

48. Study the following information and answer the questions. Six teams- A, T, M, X, L and P have their matches on two different dates i.e. 7<sup>th</sup> and 16<sup>th</sup> of three months i.e. March, April and May. All the matches are played in different cities i.e. Mumbai, Nagpur, Kanpur, Ahmedabad, Chennai and Ranchi. Team X has a match in the month having 30 days. Two teams have a match between Team X and the match played in Mumbai. Three teams have matches between the match played in Mumbai and the match played in Chennai. One team has a match between Team A and the match played in Chennai. The match played in Kanpur is just played after Team A. Team T played the match just before the match played in Ahmedabad. T played a match on an even-numbered date. Two teams have a match between Team P and the match played in Ahmedabad. Team L played the match just before the match played in Ranchi. Team M does not play in Chennai. Which among the following teams played on 16<sup>th</sup> March? (+1, -0.25)

- a. Team M
- b. Team T
- c. The team played in Kanpur
- d. Team P
- e. None of these

49. Study the following information and answer the questions. Six teams- A, T, M, X, L and P have their matches on two different dates i.e. 7<sup>th</sup> and 16<sup>th</sup> of three months i.e. March, April and May. All the matches are played in different cities i.e. Mumbai, Nagpur, Kanpur, Ahmedabad, Chennai and Ranchi. Team X has a match in the month having 30 days. Two teams have a match between Team X and the match played in Mumbai. Three teams have matches between the match played in Mumbai and the match played in Chennai. One team has a match between Team A and the match played in Chennai. The match played in Kanpur is just played after Team A. Team T

played the match just before the match played in Ahmedabad. T played a match on an even-numbered date. Two teams have a match between Team P and the match played in Ahmedabad. Team L played the match just before the match played in Ranchi. Team M does not play in Chennai. How many teams played after Team L?

- a. Three
- b. More than three
- c. Two
- d. One
- e. None

50. Study the following information and answer the questions. Six teams- A, T, M, X, L and P have their matches on two different dates i.e. 7<sup>th</sup> and 16<sup>th</sup> of three months i.e. March, April and May. All the matches are played in different cities i.e. Mumbai, Nagpur, Kanpur, Ahmedabad, Chennai and Ranchi. Team X has a match in the month having 30 days. Two teams have a match between Team X and the match played in Mumbai. Three teams have matches between the match played in Mumbai and the match played in Chennai. One team has a match between Team A and the match played in Chennai. The match played in Kanpur is just played after Team A. Team T played the match just before the match played in Ahmedabad. T played a match on an even-numbered date. Two teams have a match between Team P and the match played in Ahmedabad. Team L played the match just before the match played in Ranchi. Team M does not play in Chennai. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- a. Team M
- b. Team T
- c. Team A
- d. Team L
- e. Team P

51. Study the following information and answer the questions. Six teams- A, T, M, X, L and P have their matches on two different dates i.e. 7<sup>th</sup> and 16<sup>th</sup> of three months i.e. March, April and May. All the matches are played in different cities i.e. Mumbai, Nagpur, Kanpur, Ahmedabad, Chennai and Ranchi. Team X has a match in the month having 30 days. Two teams have a match between Team X and the match played in Mumbai. Three teams have matches between the match played in Mumbai and the match played in Chennai. One team has a match between Team A and the match played in Chennai. The match played in Kanpur is just played after Team A. Team T played the match just before the match played in Ahmedabad. T played a match on an even-numbered date. Two teams have a match between Team P and the match played in Ahmedabad. Team L played the match just before the match played in Ranchi. Team M does not play in Chennai. How many teams played matches between team P and team T?

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

52. Study the following information and answer the questions. Six teams- A, T, M, X, L and P have their matches on two different dates i.e. 7<sup>th</sup> and 16<sup>th</sup> of three months i.e. March, April and May. All the matches are played in different cities i.e. Mumbai, Nagpur, Kanpur, Ahmedabad, Chennai and Ranchi. Team X has a match in the month having 30 days. Two teams have a match between Team X and the match played in Mumbai. Three teams have matches between the match played in Mumbai and the match played in Chennai. One team has a match between Team A and the match played in Chennai. The match played in Kanpur is just played after Team A. Team T played the match just before the match played in Ahmedabad. T played a match on an even-numbered date. Two teams have a match between Team P and the match played in Ahmedabad. Team L played the match just before the match played in Ranchi. Team M does not play in Chennai. In which of the following cities team L played a match?

- a. Chennai
- b. Kanpur
- c. Mumbai
- d. Ranchi
- e. None of the above

53. In the question below are given three statements followed by two 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 Lock is Clock
- All Clock is Key
- Only a few Key is Door

**Conclusions:**

- I. Some Door is Clock
- II. All Key can never be Lock

## Your Personal Exams Guide

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

54. In the question below are given three statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with (+1, -0.25)

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.

**Statements:**

- No Page is Paper
- All Paper is Note
- Only a few Note is Board

**Conclusions:**

- I. Some Note is not Page
- II. Some Board is Paper

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

55. In the question below are given three statements followed by two 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:**

- Only a few Car is Bus
- No bus is Truck
- Only a few Truck is Bike

**Conclusions:**

- I. Some car is not Truck
- II. Some Bike being Bus is a possibility

- a. Only I follows



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

56. In the question below are given three statements followed by two 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 Rod is Steel  
Some Steel is Iron  
Only a few Iron is Metal

**Conclusions:**

I. Some Rod is Iron  
II. Some Iron is not Metal

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

57. A is the spouse of G's only Daughter. F is the father of A. G has only two children i.e. C and D. D is unmarried and a male person. M is the nephew of D. How is F related to M? (+1, -0.25)

- a. Grandmother

- b. Father
- c. Uncle
- d. Grandfather
- e. None of the above

58. Study the following information and answer the questions. Nine persons – A, B, C, D, E, F, G, H and I worked in a company. They hold different positions – Clerk (CL), AM (Assistant Manager), MG (Manager), DGM (Deputy General Manager), GM (General Manager), CGM (Chief General Manager), Head of Department (HOD), ED (Executive Director) and CEO (Chief Executive Officer). The positions given are in increasing order of seniority. CL is the junior most and so on till the CEO is the senior-most. I is senior than the one who is HOD. Two ranks are there between I and F. Three ranks are there between F and G who is not the senior most employee. Number of persons are senior than G is same as number of persons junior than H. D is just junior than H. C is just senior than E. More than two persons are junior than E. B is not the least junior. How many persons are senior to C?

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

59. Study the following information and answer the questions. Nine persons – A, B, C, D, E, F, G, H and I worked in a company. They hold different positions – Clerk (CL), AM (Assistant Manager), MG (Manager), DGM (Deputy General Manager), GM (General Manager), CGM (Chief General Manager), Head of Department (HOD), ED (Executive Director) and CEO (Chief Executive Officer). The positions given are in increasing order of seniority. CL is the junior most and so on till the CEO is the senior-most. I is senior than the one who is HOD. Two ranks are there between I and F. Three ranks are there

between F and G who is not the senior most employee. Number of persons are senior than G is same as number of persons junior than H. D is just junior than H. C is just senior than E. More than two persons are junior than E. B is not the least junior. Who amongst the following is the DGM?

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

60. Study the following information and answer the questions. Nine persons – A, B, C, D, E, F, G, H and I worked in a company. They hold different positions – Clerk (CL), AM (Assistant Manager), MG (Manager), DGM (Deputy General Manager), GM (General Manager), CGM (Chief General Manager), Head of Department (HOD), ED (Executive Director) and CEO (Chief Executive Officer). The positions given are in increasing order of seniority. CL is the junior most and so on till the CEO is the senior-most. I is senior than the one who is HOD. Two ranks are there between I and F. Three ranks are there between F and G who is not the senior most employee. Number of persons are senior than G is same as number of persons junior than H. D is just junior than H. C is just senior than E. More than two persons are junior than E. B is not the least junior. How many ranks are there between the rank of D and C? **(+1, -0.25)**

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

61. Study the following information and answer the questions. Nine persons – A, B, C, D, E, F, G, H and I worked in a company. They hold different positions – Clerk (CL), AM (Assistant Manager), MG (Manager), DGM (Deputy General Manager), GM (General Manager), CGM (Chief General Manager), Head of Department (HOD), ED (Executive Director) and CEO (Chief Executive Officer). The positions given are in increasing order of seniority. CL is the junior most and so on till the CEO is the senior-most. I is senior than the one who is HOD. Two ranks are there between I and F. Three ranks are there between F and G who is not the senior most employee. Number of persons are senior than G is same as number of persons junior than H. D is just junior than H. C is just senior than E. More than two persons are junior than E. B is not the least junior. Which of the following is the designation of I in the company?

- a. ED
- b. CEO
- c. HOD
- d. CGM
- e. None of these

62. Study the following information and answer the questions. Nine persons – A, B, C, D, E, F, G, H and I worked in a company. They hold different positions – Clerk (CL), AM (Assistant Manager), MG (Manager), DGM (Deputy General Manager), GM (General Manager), CGM (Chief General Manager), Head of Department (HOD), ED (Executive Director) and CEO (Chief Executive Officer). The positions given are in increasing order of seniority. CL is the junior most and so on till the CEO is the senior-most. I is senior than the one who is HOD. Two ranks are there between I and F. Three ranks are there between F and G who is not the senior most employee. Number of persons are senior than G is same as number of persons junior than H. D is just junior than H. C is just senior than E. More than two persons are junior than E. B is not the least junior. Four of the following five are alike in a certain way and thus forms a group. Find the one that does not belong to the group?

- a. G-AM
- b. E-DGM

- c. C-GM
- d. H-HOD
- e. F-CGM

63. In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are true and then give your answers accordingly. (+1, -0.25)

Statements:

$$H > F \geq D$$

$$C < X > E \geq R$$

$$D > B \leq V = C$$

Conclusion:

I.  $X > B$

II.  $F \geq V$

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

64. In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are true and then give your answers accordingly. (+1, -0.25)

Statements:

$$W < E > R \leq T \leq Y$$

$$S \geq A = Q < W$$

$$F > D \geq S$$

Conclusion:

I.  $D > Q$

II.  $D = Q$

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

65. In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are true and then give your answers accordingly. (+1, -0.25)

Statements:

$$T > Y > U > I \geq K$$

$$V < B < N < M$$

$$K \leq J \leq H = G \geq V$$

Conclusion:

I.  $I > H$

II.  $G < N$

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

## Quantitative Aptitude

66. **Direction:** What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value) **(+1, -0.25)**

$$468.02 + 79.91 \div 5.01 = ?^2$$

- a. 12
- b. 11
- c. 18
- d. 22
- e. 24

67. **Direction:** What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value) **(+1, -0.25)**

$$49.99\% \text{ of } 6400.002 \div 999.99 = ?$$

- a. 3.6
- b. 5
- c. 4.8
- d. 2.4
- e. 3.2

68. **Direction:** What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value) **(+1, -0.25)**

$$? \div 2.997 + 799.98 \times 8.9 = 9199.978$$

- a. 6000

- b. 5000
- c. 4000
- d. 4800
- e. 6400

69. **Direction:** What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value) **(+1, -0.25)**

$$(1110.02 + 89.81) \div ? - \sqrt{15} = 15.98$$

- a. 60
- b. 120
- c. 80
- d. 75
- e. 40

70. **Direction:** What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value) **(+1, -0.25)**

$$? \times 350.01 \div 3.99^2 = 983 \div 14.001$$

- a. 1.2
- b. 1.8
- c. 2.8
- d. 3.2
- e. 4



71. **Direction:** What value will come in place of the question mark (?) in the following question? (+1, -0.25)

42, 67, 116, ?, 406, 695

- a. 221
- b. 237
- c. 242
- d. 336
- e. 194

72. **Direction:** What value will come in place of the question mark (?) in the following question? (+1, -0.25)

32, 50, 86, ?, 212, 302

- a. 168
- b. 126
- c. 140
- d. 158
- e. None of these

73. **Direction:** What value will come in place of the question mark (?) in the following question? (+1, -0.25)

230, 204, 187, 177, 172, ?

- a. 170
- b. 168
- c. 171

d. 167

e. 169

74. **Direction:** What value will come in place of the question mark (?) in the following question? **(+1, -0.25)**

2.4, 3.6, 5.1, 6.9, ?, 11.4

a. 8.5

b. 9.2

c. 9

d. 10.5

e. 10

75. **Direction:** What value will come in place of the question mark (?) in the following question? **(+1, -0.25)**

1, ?, 3, 15, 105, 945

a. 1

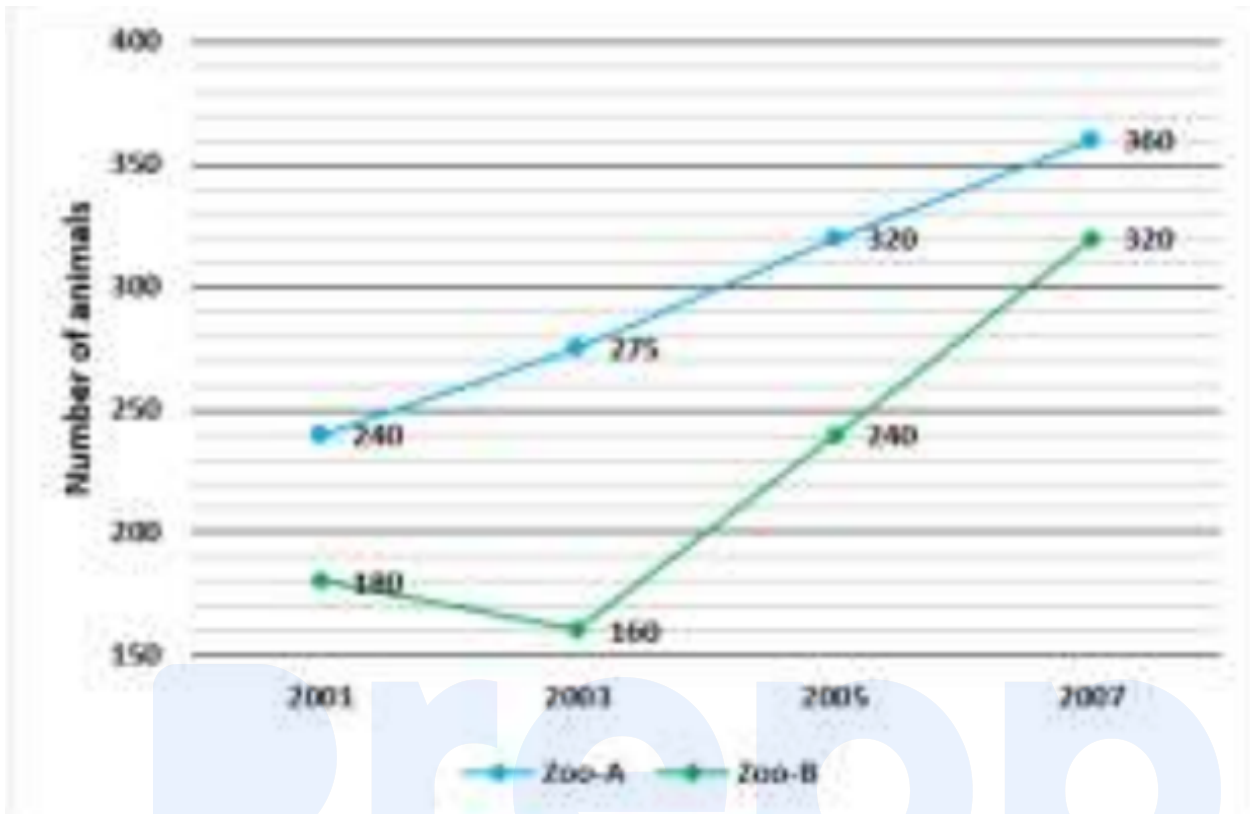
b. 1.5

c. 0.5

d. 1

e. None of these

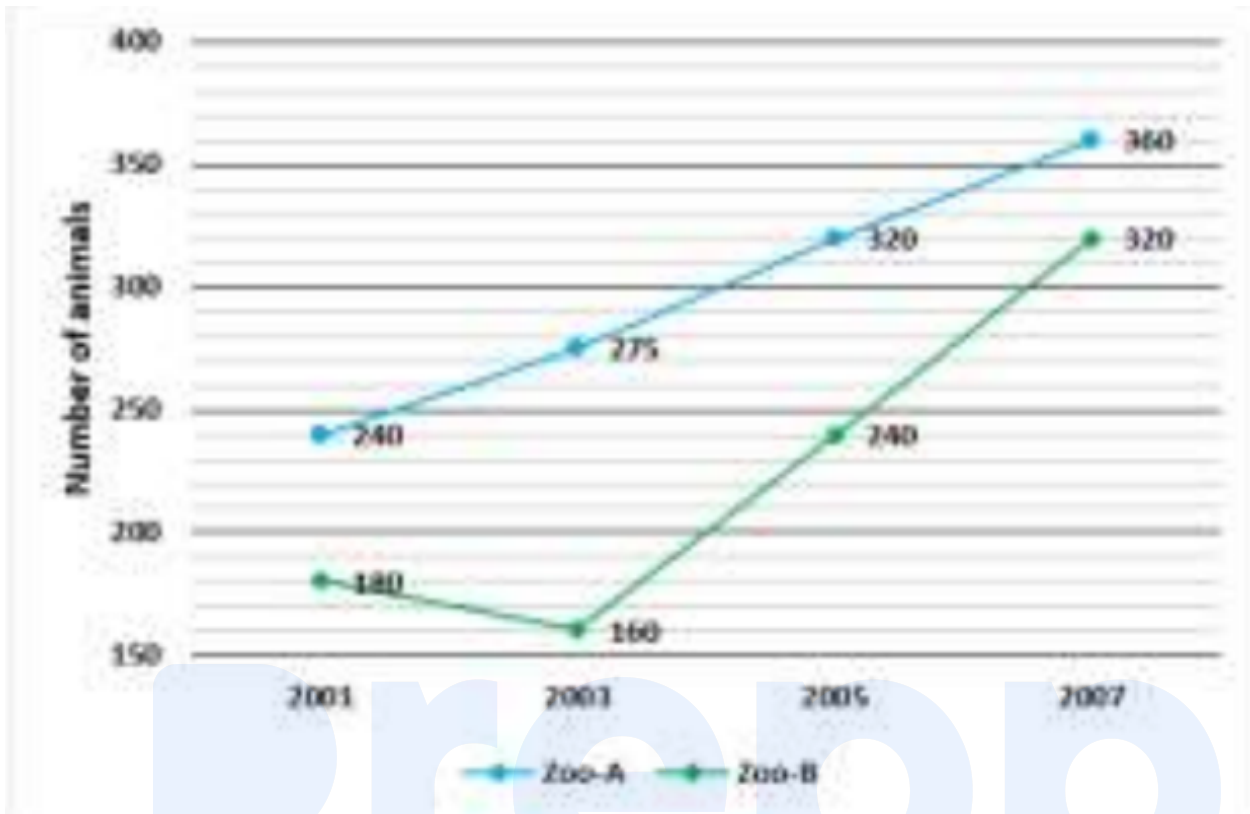
76. **Direction:** Study the following line graph carefully and answer the questions given below. In the below line graph, the number of animals in two zoo A and B in the years – 2001, 2003, 2005 and 2007 is given. **(+1, -0.25)**



What is the ratio of the number of animals in zoo-A in the years 2001 and 2005 together and the number of animals in zoo-B in the years 2003 and 2007 together?

- a. 7 : 6
- b. 6 : 7
- c. 5 : 6
- d. 7 : 5
- e. None of these

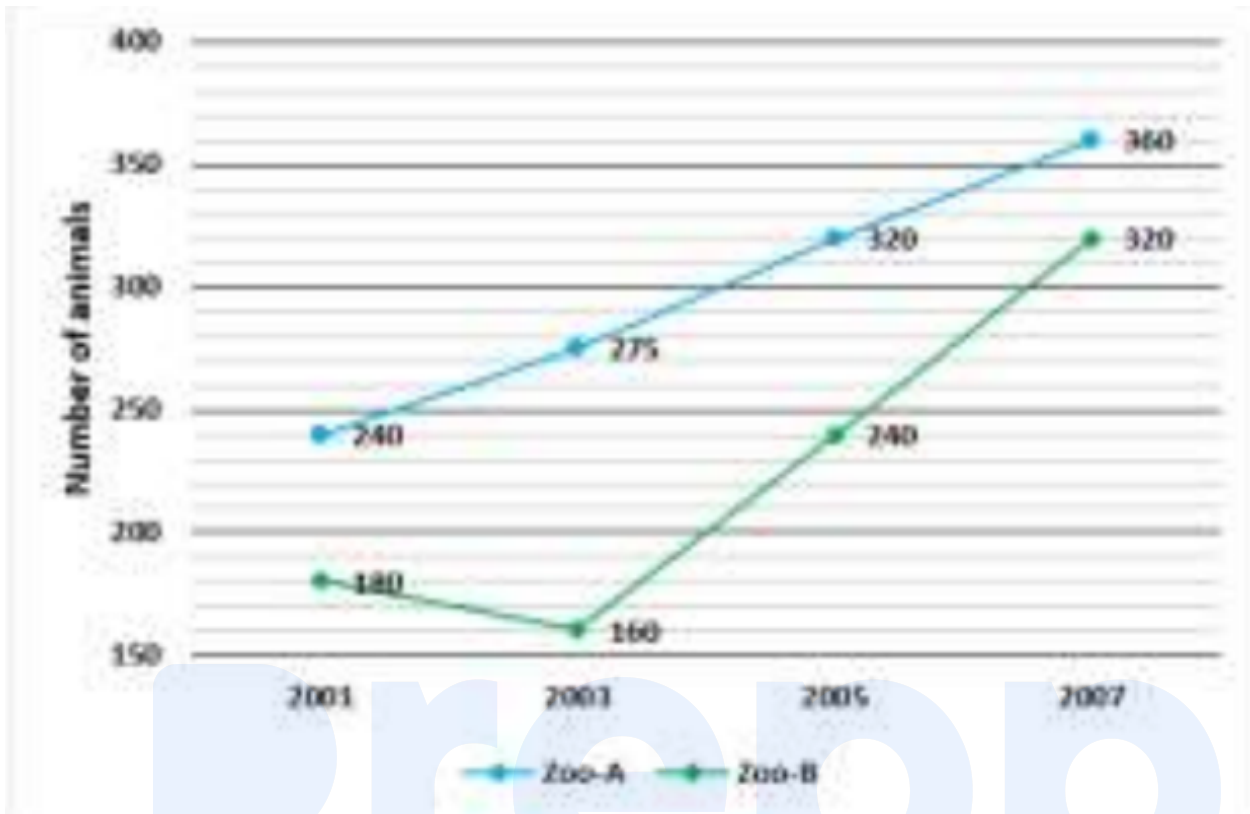
77. **Direction:** Study the following line graph carefully and answer the questions given (+1, -0.25) below. In the below line graph, the number of animals in two zoo A and B in the years – 2001, 2003, 2005 and 2007 is given.



What is the sum of the differences of the number of animals in zoo-A and zoo-B in the years 2001, 2003 and 2005?

- a. 185
- b. 235
- c. 255
- d. 275
- e. None of these

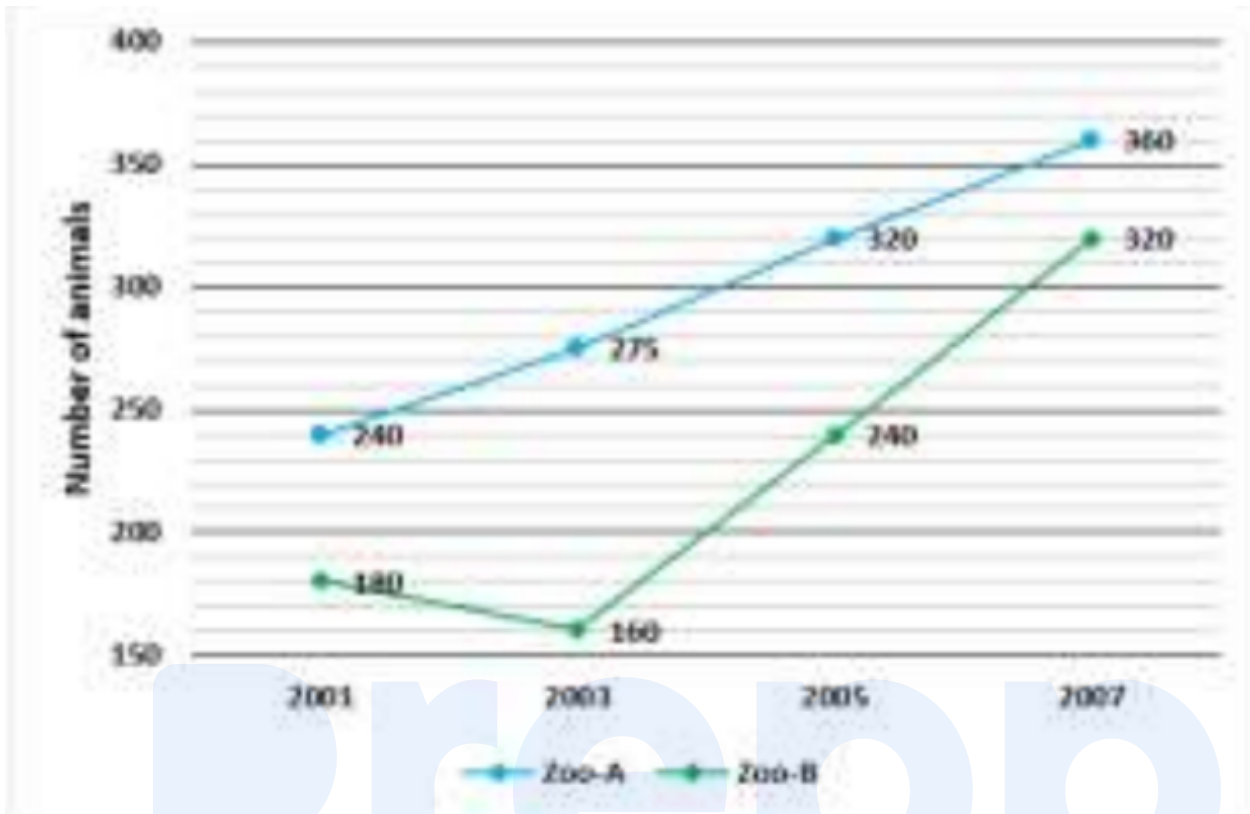
78. **Direction:** Study the following line graph carefully and answer the questions given (+1, -0.25) below. In the below line graph, the number of animals in two zoo A and B in the years – 2001, 2003, 2005 and 2007 is given.



If in the year 2005, 35% of animals in zoo-A and 55% of animals in zoo-B are carnivorous, then what is the sum of the number of carnivorous animals in zoo A and B in the years 2005?

- a. 184
- b. 198
- c. 222
- d. 244
- e. None of these

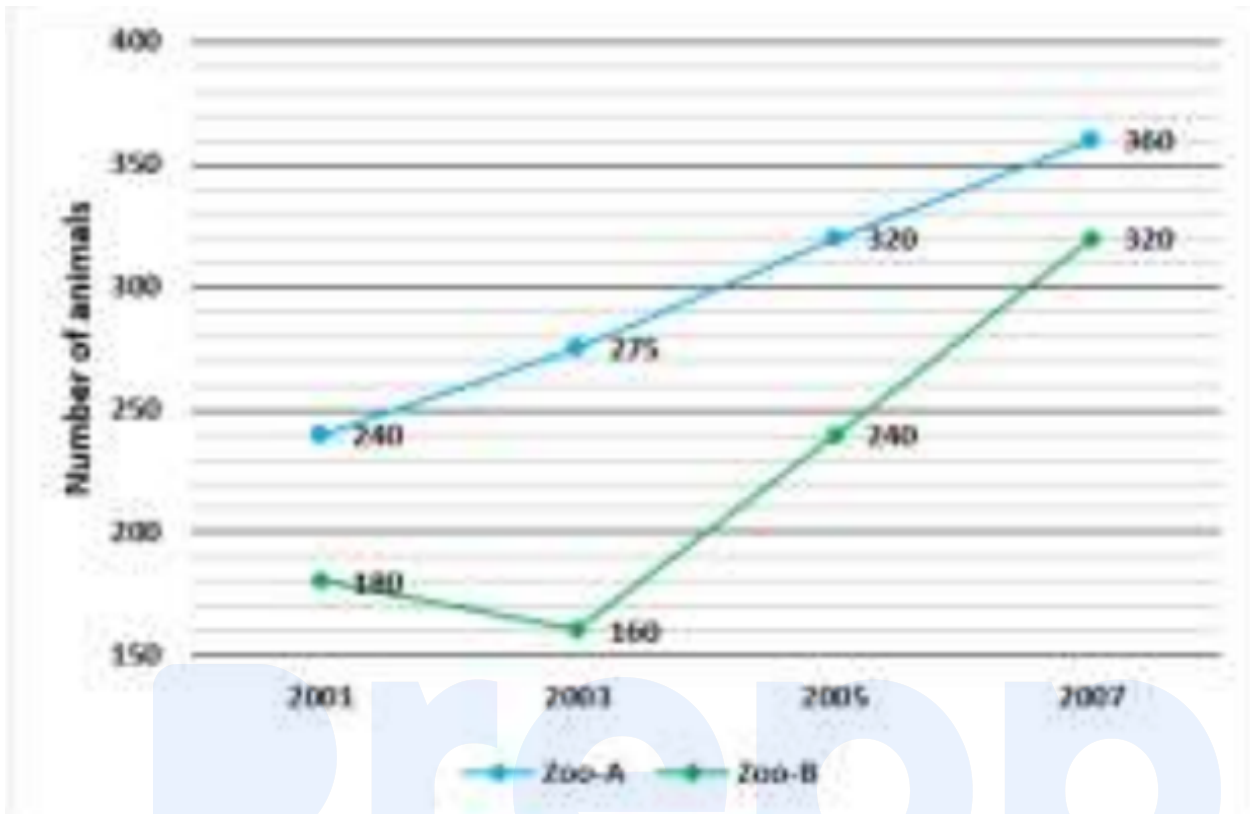
79. **Direction:** Study the following line graph carefully and answer the questions given (+1, -0.25) below. In the below line graph, the number of animals in two zoo A and B in the years – 2001, 2003, 2005 and 2007 is given.



Sum of the number of animals in zoo-B in the years 2001, 2003 and 2005 together is what percent more/less than the sum of the number of animals in zoo-A in the years 2001 and 2007 together?

- a.  $66\frac{1}{4}\%$
- b.  $56\frac{1}{3}\%$
- c.  $36\frac{1}{3}\%$
- d.  $86\frac{1}{3}\%$
- e. None of these

80. **Direction:** Study the following line graph carefully and answer the questions given (+1, -0.25) below. In the below line graph, the number of animals in two zoo A and B in the years – 2001, 2003, 2005 and 2007 is given.



If the number of animals in zoo B in the years 2009 is 25% more than that in the year 2007, then what is the average number of animals in zoo-B in the years 2005, 2007 and 2009?

- a. 225
- b. 320
- c. 260
- d. 240
- e. None of these

81. A and B started a business in a partnership. Ratio between the investments of A and B (+1, -0.25) was 5 : 4. If A invested for 12 months and at the end of the year the ratio of profit was 15 : 8, then for how much time B invested?

- a. 8 months

- b. 9 months
- c. 6 months
- d. 10 months
- e. None of these

82. A and B together can do a piece of work in 12 days, A and C together can do the same work in 15 days. If B and C together can do the same work in 20 days, then in how many days A, B and C together can complete the same work? **(+1, -0.25)**

- a. 8
- b. 6
- c. 10
- d. 9
- e. None of these

83. 4 years hence, the ratio of ages A and B will be 5 : 7 and 6 years hence, the ratio of ages will be 11 : 15, then find their present ages. **(+1, -0.25)**

- a. 20 years, 26 years
- b. 16 years, 24 years
- c. 18 years, 28 years
- d. 12 years, 18 years
- e. None of these

84. Running at the speed of 3 km/hr, a person reaches his destination 10 minutes later **(+1, -0.25)**



than usual time. if he increases his speed by 1 km/hr, he reaches his destination 15 min earlier. find the distance to his destination.

- a. 10 km
- b. 12 km
- c. 5 km
- d. 4 km
- e. None of these

85. A person invests certain amount on simple interest. After 8 years he gets 16% interest. If he invests the same sum for 4 years, then he gets Rs. 9600 as interest, then the sum is (+1, -0.25)

- a. Rs. 96000
- b. Rs. 80000
- c. Rs. 48000
- d. Rs. 60000
- e. None of these

86. **Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y. (+1, -0.25)

I.  $X^3 = 125$

II.  $Y^3 = 8$

- a.  $X > Y$
- b.  $X < Y$
- c.  $X \geq Y$

- d.  $X \leq Y$
- e.  $X = Y$  or no relation can be established

87. **Direction:** In the following question two equations are given in variables X and Y. You (+1, -0.25) have to solve these equations and determine the relation between X and Y.

I.  $X^2 - 5x + 6 = 0$   
II.  $2Y^2 - 7y + 3 = 0$

- a.  $X > Y$
- b.  $X < Y$
- c.  $X \geq Y$
- d.  $X \leq Y$
- e.  $X = Y$  or no relation can be established

88. **Direction:** In the following question two equations are given in variables X and Y. You (+1, -0.25) have to solve these equations and determine the relation between X and Y.

I.  $X^2 = 9^2$   
II.  $(Y-8)^2 = 9$

- a.  $X > Y$
- b.  $X < Y$
- c.  $X \geq Y$
- d.  $X \leq Y$
- e.  $X = Y$  or no relation can be established

89. **Direction:** In the following question two equations are given in variables X and Y. You (+1, -0.25)

have to solve these equations and determine the relation between X and Y.

I.  $2x + 3y = 52$

II.  $5x - 2y = 16$

- a.  $X > Y$
- b.  $X < Y$
- c.  $X \geq Y$
- d.  $X \leq Y$
- e.  $X = Y$  or no relation can be established

90. **Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y. (+1, -0.25)

I.  $X^2 - 5x + 6 = 0$

II.  $Y^2 - y - 6 = 0$

- a.  $X > Y$
- b.  $X < Y$
- c.  $X \geq Y$
- d.  $X \leq Y$
- e.  $X = Y$  or no relation can be established

91. **Direction:** Study the following information carefully and answer the questions given below. In the table, percentage of shirts (formal and casual) sold out of the total number of shirts sold in the week and number of casual shirts sold data related to the number of shirts sold on five week days – Monday, Tuesday, Wednesday, Thursday and Friday are given.

Total number of shirts sold in the week = x

Day	Percentage of total shirts sold	Number of casual shirts sold
Monday	14%	32
Tuesday	16%	24
Wednesday	12%	28
Thursday	22%	56
Friday	18%	20

Note: Total number of shirts sold on Saturday and Sunday together = 72

What is the average number of total shirts sold on Wednesday, Friday, Saturday and Sunday together?

- a. 64
- b. 24
- c. 36
- d. 48
- e. None of these

92. **Direction:** Study the following information carefully and answer the questions given (+1, -0.25) below. In the table, percentage of shirts (formal and casual) sold out of the total number of shirts sold in the week and number of casual shirts sold data related to the number of shirts sold on five week days – Monday, Tuesday, Wednesday, Thursday and Friday are given.  
Total number of shirts sold in the week =  $x$

Day	Percentage of total shirts sold	Number of casual shirts sold
Monday	14%	32
Tuesday	16%	24
Wednesday	12%	28
Thursday	22%	56
Friday	18%	20

Note: Total number of shirts sold on Saturday and Sunday together = 72

What is the sum of the formal shirts sold on Monday, Tuesday and Wednesday together?

- a. 102
- b. 168
- c. 84
- d. 64
- e. None of these

93. **Direction:** Study the following information carefully and answer the questions given (+1, -0.25) below. In the table, percentage of shirts (formal and casual) sold out of the total number of shirts sold in the week and number of casual shirts sold data related to the number of shirts sold on five week days – Monday, Tuesday, Wednesday, Thursday and Friday are given.  
Total number of shirts sold in the week =  $x$

Day	Percentage of total shirts sold	Number of casual shirts sold
Monday	14%	32
Tuesday	16%	24
Wednesday	12%	28
Thursday	22%	56
Friday	18%	20

Note: Total number of shirts sold on Saturday and Sunday together = 72

What is the ratio of the number of casual shirts sold on Monday and Wednesday together and number of formal shirts sold on Tuesday and Thursday together?

- a. 4 : 3
- b. 3 : 4
- c. 5 : 3
- d. 6 : 5
- e. None of these

94. **Direction:** Study the following information carefully and answer the questions given (+1, -0.25) below. In the table, percentage of shirts (formal and casual) sold out of the total number of shirts sold in the week and number of casual shirts sold data related to the number of shirts sold on five week days – Monday, Tuesday, Wednesday, Thursday and Friday are given.  
Total number of shirts sold in the week = x

Day	Percentage of total shirts sold	Number of casual shirts sold
Monday	14%	32
Tuesday	16%	24
Wednesday	12%	28
Thursday	22%	56
Friday	18%	20

Note: Total number of shirts sold on Saturday and Sunday together = 72

40% of casual shirts sold and 25% of formal shirts sold on Friday of brand X, then the number of shirts sold of brands other than X on Friday is

- a. 21
- b. 31
- c. 41
- d. 51
- e. None of these

95. **Direction:** Study the following information carefully and answer the questions given (+1, -0.25) below. In the table, percentage of shirts (formal and casual) sold out of the total number of shirts sold in the week and number of casual shirts sold data related to the number of shirts sold on five week days – Monday, Tuesday, Wednesday, Thursday and Friday are given.  
Total number of shirts sold in the week =  $x$

Day	Percentage of total shirts sold	Number of casual shirts sold
Monday	14%	32
Tuesday	16%	24
Wednesday	12%	28
Thursday	22%	56
Friday	18%	20

Note: Total number of shirts sold on Saturday and Sunday together = 72

Number of casual shirts sold on Thursday is what percent more than the number of formal shirts sold on Tuesday?

- a. 20%
- b. 50%
- c. 40%
- d. 37.50%
- e. None of these

96. A shopkeeper bought 80 pens in Rs. 400. He sold 40 pens at 60% profit and sold the remaining pens at 20% profit. If he had sold all the pens at a 15% profit, how much less profit would he have made? (+1, -0.25)

- a. Rs. 65
- b. Rs. 80
- c. Rs. 100
- d. Rs. 120
- e. None of these



97. Present age of B will be half of A's age 4 years hence and double of A's age 5 years ago, then what is the present age of B? (+1, -0.25)

- a. 6 years
- b. 4 years
- c. 8 years
- d. 12 years
- e. None of these

98. A started a business with a certain capital. After 3 months A left the business and B joins the business and remains in business. If the ratio of the profit at the end of the year is 5 : 6 and the initial investment of A is Rs. 6000, then the investment of B is (+1, -0.25)

- a. Rs. 1800
- b. Rs. 2400
- c. Rs. 3600
- d. Rs. 4800
- e. None of these

99. **Direction:** Study the following information carefully and answer the questions given below. 25% of the boys and 60% of the girls from a college participated in an event. Total number of girls in the college is equal to the number of boys, who do not participate in the event.

The number of girls, who participated in the event is what percent more than the number of boys, who participated in the event?

- a. 30%

- b. 35%
- c. 50%
- d. 80%
- e. None of these

100. **Direction:** Study the following information carefully and answer the questions given (+1, -0.25) below. 25% of the boys and 60% of the girls from a college participated in an event. Total number of girls in the college is equal to the number of boys, who do not participate in the event.

If the difference the number of boys and girls, who participated in the event is 40, then the total number of boys and girls in the college is

- a. 175
- b. 210
- c. 350
- d. 420
- e. None of these