

NICL Assistant Mains Memory Based Paper Held on 28 December 2024-exam

Q1. In the given number 475918263, the digits at odd positions from the left end are added by 2, while the digits at even positions from the left end are subtracted by 2. After performing the operations, find how many digits are repeated in the new number thus formed?

- (a) Two
- (b) Three
- (c) None
- (d) Four
- (e) Five

Ans.(d)

Q2. In the word “CONVERTIBLE”, each vowel is changed to its immediately succeeding letter in the English alphabet, while each consonant is changed to its immediately preceding letter in the English alphabet. How many consonants are immediately followed by a vowel in the resulting word?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) Four

Ans.(c)

Q3. Who among the following lives immediately above the one going to Dublin?

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

Six persons—A, B, C, D, E and F—live on six different floors of a building, numbered 1 to 6 from bottom to top. Each of them is going to a different country—Canada, Dublin, Singapore, Monaco, Paris and Vladimir—but not necessarily in the same order.

Two persons live between A and the person who is going to Monaco. Not more than two persons live above A's floor. B lives immediately below the person who is going to Monaco. One person lives between B and C. Two persons live between C and the person who is going to Canada. The person who is going to Vladimir lives immediately below the person who is going to Canada. The person who is going to Singapore lives immediately below the person who is going to Dublin. F is not going to Monaco. E lives above F. The person going to Vladimir doesn't live on the topmost floor.

- (a) E
- (b) The one who is going to Paris
- (c) C
- (d) F
- (e) The one who is going to Vladimir

Ans.(e)



ALL EXAMS, **ONE** SUBSCRIPTION



Test. Analyze. Improve. Repeat.



**Don't just
prepare.
Perform.**

Test Prime – built only
for mock tests.



1,50,000+
Mock Tests



25,000+
Previous Year
Papers



800+
Exam
Covered



500%
Refund on
Selection



5 lakh+
Free Quizzes



Daily
Free PDFs



Top Alerts
Stay Updated

WHY TEST PRIME?

- ✓ Multilingual
- ✓ Detailed Solution
- ✓ Strong and Weak Areas
- ✓ All India Rankings



Safe & Reliable



Trusted by
Lakhs of Aspirants



Your Success,
Our Mission



**DOWNLOAD
TEST PRIME**

Your Success Partner!



Test

Prime



SUCCESS GALLERY!

MEET THE ACHIEVERS



Shreya, SBI PO



Sahil, SBI PO



Srijita, SBI PO



Vikram, IBPS PO



Neeti, IBPS PO



Arya, IBPS PO



Hasan, SSC CGL



Palak, SSC CGL



Priti, UP TGT



Aniket, Bihar Stet



Shaurya, NTPC



Sarita, CTET



Gourav, NTPC



Sanni, NTPC



Abhishek, CTET



Sapna, IBPS Clerk

THEY DID IT. YOU CAN TOO

READ THEIR STORIES!



Q4. Which country is E going to?

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

Six persons—A, B, C, D, E and F—live on six different floors of a building, numbered 1 to 6 from bottom to top. Each of them is going to a different country—Canada, Dublin, Singapore, Monaco, Paris and Vladimir—but not necessarily in the same order.

Two persons live between A and the person who is going to Monaco. Not more than two persons live above A's floor. B lives immediately below the person who is going to Monaco. One person lives between B and C. Two persons live between C and the person who is going to Canada. The person who is going to Vladimir lives immediately below the person who is going to Canada. The person who is going to Singapore lives immediately below the person who is going to Dublin. F is not going to Monaco. E lives above F. The person going to Vladimir doesn't live on the topmost floor.

- (a) Canada
- (b) Singapore
- (c) Monaco
- (d) Paris
- (e) Vladimir

Ans.(a)

Q5. Four of the following five are alike in a certain way and thus form a group. Who among the following doesn't belong to the group? Study the following information carefully and answer the questions given below:

Six persons—A, B, C, D, E and F—live on six different floors of a building, numbered 1 to 6 from bottom to top. Each of them is going to a different country—Canada, Dublin, Singapore, Monaco, Paris and Vladimir—but not necessarily in the same order.

Two persons live between A and the person who is going to Monaco. Not more than two persons live above A's floor. B lives immediately below the person who is going to Monaco. One person lives between B and C. Two persons live between C and the person who is going to Canada. The person who is going to Vladimir lives immediately below the person who is going to Canada. The person who is going to Singapore lives immediately below the person who is going to Dublin. F is not going to Monaco. E lives above F. The person going to Vladimir doesn't live on the topmost floor.

- (a) AF
- (b) BD
- (c) EA
- (d) BF
- (e) CD

Ans.(d)

Q6. What is the position of F's floor with respect to the person who is going to Singapore?

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

Six persons—A, B, C, D, E and F—live on six different floors of a building, numbered 1 to 6 from bottom to top. Each of them is going to a different country—Canada, Dublin, Singapore, Monaco, Paris and Vladimir—but not necessarily in the same order.

Two persons live between A and the person who is going to Monaco. Not more than two persons live above A's floor. B lives immediately below the person who is going to Monaco. One person lives between B and C. Two persons live between C and the person who is going to Canada. The person who is going to Vladimir lives immediately below the person who is going to Canada. The person who is going to Singapore lives immediately below the person who is going to Dublin. F is not going to Monaco. E lives above F. The person going to Vladimir doesn't live on the topmost floor.

- (a) Immediately below
- (b) Immediately above
- (c) Second above
- (d) Second below
- (e) Third above

Ans.(b)

Q7. The person who is going to Paris is _____.

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

Six persons—A, B, C, D, E and F—live on six different floors of a building, numbered 1 to 6 from bottom to top. Each of them is going to a different country—Canada, Dublin, Singapore, Monaco, Paris and Vladimir—but not necessarily in the same order.

Two persons live between A and the person who is going to Monaco. Not more than two persons live above A's floor. B lives immediately below the person who is going to Monaco. One person lives between B and C. Two persons live between C and the person who is going to Canada. The person who is going to Vladimir lives immediately below the person who is going to Canada. The person who is going to Singapore lives immediately below the person who is going to Dublin. F is not going to Monaco. E lives above F. The person going to Vladimir doesn't live on the topmost floor.

- (a) First from the top
- (b) Second from the bottom
- (c) First from the bottom
- (d) Third from the bottom
- (e) Third from the top

Ans.(c)

Q8. Who among the following sits third to the right of F?

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

Seven persons—A, B, C, D, E, F and G—sit in a linear row. Some of them face north while some face south. The number of persons facing south is less than the number of persons facing north.

A sits second from one of the ends of the row. E is an immediate neighbour of D. E sits fourth to the right of A. B sits third to the left of D. All the persons sitting to the right of G face south. The number of persons sitting to the left of E is one more than the number of persons sitting between E and F. G and F doesn't sit at the extreme end of the row.

- (a) G
- (b) B
- (c) A
- (d) E

(e) None of these

Ans.(c)

Q9. How many persons sit between E and C?

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

Seven persons—A, B, C, D, E, F and G—sit in a linear row. Some of them face north while some face south. The number of persons facing south is less than the number of persons facing north.

A sits second from one of the ends of the row. E is an immediate neighbour of D. E sits fourth to the right of A. B sits third to the left of D. All the persons sitting to the right of G face south. The number of persons sitting to the left of E is one more than the number of persons sitting between E and F. G and F doesn't sit at the extreme end of the row.

(a) One

(b) Two

(c) Three

(d) Four

(e) None of these

Ans.(d)

Q10. Who sits immediately to the right of A?

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

Seven persons—A, B, C, D, E, F and G—sit in a linear row. Some of them face north while some face south. The number of persons facing south is less than the number of persons facing north.

A sits second from one of the ends of the row. E is an immediate neighbour of D. E sits fourth to the right of A. B sits third to the left of D. All the persons sitting to the right of G face south. The number of persons sitting to the left of E is one more than the number of persons sitting between E and F. G and F doesn't sit at the extreme end of the row.

(a) D

(b) G

(c) B

(d) F

(e) None of these

Ans.(b)

Q11. Which of the following pairs represents the persons facing the same direction?

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

Seven persons—A, B, C, D, E, F and G—sit in a linear row. Some of them face north while some face south. The number of persons facing south is less than the number of persons facing north.

A sits second from one of the ends of the row. E is an immediate neighbour of D. E sits fourth to the right of A. B sits third to the left of D. All the persons sitting to the right of G face south. The number of persons sitting to the left of E is one more than the number of persons sitting between E and F. G and F doesn't sit at the extreme end of the row.

(a) C and F

(b) A and F

- (c) C and B
- (d) D and F
- (e) C and D

Ans.(e)

Q12. If D and B interchange their positions, who will sit second to the left of D?

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

Seven persons—A, B, C, D, E, F and G—sit in a linear row. Some of them face north while some face south. The number of persons facing south is less than the number of persons facing north.

A sits second from one of the ends of the row. E is an immediate neighbour of D. E sits fourth to the right of A. B sits third to the left of D. All the persons sitting to the right of G face south. The number of persons sitting to the left of E is one more than the number of persons sitting between E and F. G and F doesn't sit at the extreme end of the row.

- (a) A
- (b) D
- (c) E
- (d) F
- (e) None of these

Ans.(c)

Q13. In the given code language, how is 'book' coded?

Read the given information carefully and answer the questions based on it:

In a certain code language

'window door table chair' is written as 'pe ra zo bi',

'chair lamp book shelf' is written as 'bi ta ku le',

'book table clock pen' is written as 'ku zo ja ne',

'pen window shelf door' is written as 'ne pe le ra'

- (a) pe
- (b) ku
- (c) ra
- (d) le
- (e) bi

Ans.(b)

Q14. What does the code 'ne' stand for?

Read the given information carefully and answer the questions based on it:

In a certain code language

'window door table chair' is written as 'pe ra zo bi',

'chair lamp book shelf' is written as 'bi ta ku le',

'book table clock pen' is written as 'ku zo ja ne',

'pen window shelf door' is written as 'ne pe le ra'

- (a) lamp
- (b) pen

- (c) shelf
- (d) chair
- (e) window

Ans.(b)

Q15. Which of the following is the correct code for 'pen shelf'?

Read the given information carefully and answer the questions based on it:

In a certain code language

'window door table chair' is written as 'pe ra zo bi',

'chair lamp book shelf' is written as 'bi ta ku le',

'book table clock pen' is written as 'ku zo ja ne',

'pen window shelf door' is written as 'ne pe le ra'

- (a) ne le
- (b) le pe
- (c) ja ku
- (d) ra zo
- (e) ta bi

Ans.(a)

Q16. If 'chair window lamp' is coded in this language, then what would be the correct code sequence?

Read the given information carefully and answer the questions based on it:

In a certain code language

'window door table chair' is written as 'pe ra zo bi',

'chair lamp book shelf' is written as 'bi ta ku le',

'book table clock pen' is written as 'ku zo ja ne',

'pen window shelf door' is written as 'ne pe le ra'

- (a) bi pe ja
- (b) ne bi ta
- (c) ta bi le
- (d) bi pe ta
- (e) le ra bi

Ans.(d)

Q17. Seven professionals — A, B, C, D, E, F, and G — work in seven different departments of a company: Legal, Audit, HR, IT, Marketing, Finance and Research (not necessarily in the same order). Each of them prefers to work on a different day of the week- Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday Who works in the HR department?

I. A and B work in Finance and Audit respectively. The person who works in the Research department prefers working on Friday. C neither works in HR nor prefers Monday. D prefers Wednesday but does not work in Legal. The one who works in IT prefers Thursday.

II. G prefers Saturday and works in Legal. H works in Marketing but doesn't prefer Friday or Sunday. F and E prefer Monday and Tuesday respectively.

This question below, consist a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the statements and give answer.

- (a) Only statement I is sufficient
- (b) Both statements I and II together are sufficient
- (c) Either statement I or statement II is sufficient
- (d) Only statement II is sufficient
- (e) Both statements I and II, even together are not sufficient

Ans.(e)

Q18. Five persons-A, B, D, T and Y live in a five-storey building (but not in same order), where the ground floor is numbered as 1 and topmost floor is numbered as 5. Who among the following lives two floors above B?

Statement I: D lives on an odd numbered floor. B lives immediately below Y. T lives immediately above A.

Statement II: Y does not live on an even numbered floor. There is more than one floor gap between T and D.

Each of the question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer:

- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) If the data even in both statements I and II together are not sufficient to answer the question.
- (e) If the data in both statement I and II together are necessary to answer the question.

Ans.(e)

Q19. Six members (A, B, C, D, E, and F) are sitting around a circular table for a discussion facing inward. Who is sitting opposite D?

Statement I: C is sitting to the second to the left of E, who is sitting to the immediate right of D. A does not sit opposite to E but sits immediately right of B.

Statement II: B is sitting to the immediate left of F, who is not sitting next to C. C is not an immediate neighbour of B.

In each of the following questions, a few statements have been given.

Analyze the given statements and answer whether the data given in the statements are sufficient to answer the question or not.

- (a) If statement I alone is sufficient
- (b) If both statements I and II are sufficient
- (c) If neither statement I nor II is sufficient
- (d) If either statement I or II is sufficient
- (e) If only statement II is sufficient

Ans.(a)

In the question below are given four statements followed by three conclusions numbered I, II and III. 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.

Q20.

Statements:

Only a few pens are pencil.

All pencil are white.

No white is clean.

Only a few clean is desk.

Conclusions:

I. Some pens are not clean.

II. All desk being white is a possibility.

III. No pens is desk.

(a) Only I follow

(b) Only III follow

(c) Both I and II follow

(d) Both II and III follow

(e) None of these

Ans.(a)

Q21. Statements:

Only a few green is grass.

Some grasses are fresh.

No fresh is berry.

All berry are freeze.

Conclusions:

I. All green being fresh is a possibility.

II. Some freeze being fresh is a possibility.

III. No berry is green.

In the question below are given four statements followed by three conclusions numbered I, II and III. 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.

(a) Only I follow

(b) Only II follow

(c) Both I and II follow

(d) Both I and III follow

(e) None of these

Ans.(c)

Q22. Statements: Some happy are effect.

All effect are sweet.

No sweet is real.

Conclusions:

I. Some effect being real is a possibility.

II. Some happy is not real.

III. Some happy are sweet.

: In this question, some statements are given followed by three conclusions, numbered I, II and III. 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. Give answer:

- (a) Only I follows
- (b) Only II and III follow
- (c) Only I and III follow
- (d) Only I and II follow
- (e) None of these

Ans.(b)

Q23. Statements:

All Houses are Hotels

Some Hotels are Hospital

Only a few Hospital are Institutes

Conclusions:

I. No Hospital are Institutes

II. Some Hotels are not Institutes

III. All Hotels are Institutes

In the question below are given four statements followed by three conclusions numbered I, II and III. 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.

- (a) Only I
- (b) Both II and III
- (c) Only III
- (d) Either II or III
- (e) Only II

Ans.(d)

Q24. Who among the following live in flat P?

Study the given information carefully and answer the questions based on it:

Six persons live in a three-floor building where floors are numbered as 1, 2, 3 from bottom to top. Each floor has two flats i.e., flat K and flat P from east to west (respectively) on each floor. The persons are A, B, C, D, E and F and these persons have mobile of different companies but not in the same manner as given.

Note: Only one person lives in each flat of each floor.

D have apple mobile and live on even numbered floor. Person having Nokia mobile lives above D but not in same named flat. One floor gap between F and A. F and A live in same named flat but none of them have Nokia mobile. C does not have Nokia mobile but he lives in the north-east of the one having oppo mobile. B who has vivo mobile and F live on same floor. The person having Samsung mobile lives above the person having MI mobile.

- (a) D
- (b) C
- (c) E
- (d) F
- (e) Both D and F

Ans.(e)

Q25. The person having Samsung mobile lives just above flat of the person having ____ mobile.

Study the given information carefully and answer the questions based on it:

Six persons live in a three-floor building where floors are numbered as 1, 2, 3 from bottom to top. Each floor has two flats i.e., flat K and flat P from east to west (respectively) on each floor. The persons are A, B, C, D, E and F and these persons have mobile of different companies but not in the same manner as given.

Note: Only one person lives in each flat of each floor.

D have apple mobile and live on even numbered floor. Person having Nokia mobile lives above D but not in same named flat. One floor gap between F and A. F and A live in same named flat but none of them have Nokia mobile. C does not have Nokia mobile but he lives in the north-east of the one having oppo mobile. B who has vivo mobile and F live on same floor. The person having Samsung mobile lives above the person having MI mobile.

- (a) MI
- (b) Apple
- (c) Oppo
- (d) Vivo
- (e) Either MI or Oppo

Ans.(b)

Q26. Which of the following statement is true?

- I. C has MI mobile
- II. A does not have oppo mobile
- III. B lives on 3rd floor

Study the given information carefully and answer the questions based on it:

Six persons live in a three-floor building where floors are numbered as 1, 2, 3 from bottom to top. Each floor has two flats i.e., flat K and flat P from east to west (respectively) on each floor. The persons are A, B, C, D, E and F and these persons have mobile of different companies but not in the same manner as given.

Note: Only one person lives in each flat of each floor.

D have apple mobile and live on even numbered floor. Person having Nokia mobile lives above D but not in same named flat. One floor gap between F and A. F and A live in same named flat but none of them have Nokia mobile. C does not have Nokia mobile but he lives in the north-east of the one having oppo mobile. B who has vivo mobile and F live on same floor. The person having Samsung mobile lives above the person having MI mobile.

- (a) Only III
- (b) Only I
- (c) Both II and III
- (d) Both I and II
- (e) Only II

Ans.(d)

Q27. Which of the pair is correct?

Study the given information carefully and answer the questions based on it:

Six persons live in a three-floor building where floors are numbered as 1, 2, 3 from bottom to top. Each floor has two flats i.e., flat K and flat P from east to west (respectively) on each floor. The persons are A, B, C, D, E and F and these persons have mobile of different companies but not in the same manner as given.

Note: Only one person lives in each flat of each floor.

D have apple mobile and live on even numbered floor. Person having Nokia mobile lives above D but not in same named flat. One floor gap between F and A. F and A live in same named flat but none of them have Nokia mobile. C does not have Nokia mobile but he lives in the north-east of the one having oppo mobile. B who has vivo mobile and F live on same floor. The person having Samsung mobile lives above the person having MI mobile.

- (a) A - Samsung
- (b) F - Oppo
- (c) C - MI
- (d) E - Nokia
- (e) All are correct

Ans.(e)

Q28. Who lives in flat-K of 1st floor?

Study the given information carefully and answer the questions based on it:

Six persons live in a three-floor building where floors are numbered as 1, 2, 3 from bottom to top. Each floor has two flats i.e., flat K and flat P from east to west (respectively) on each floor. The persons are A, B, C, D, E and F and these persons have mobile of different companies but not in the same manner as given.

Note: Only one person lives in each flat of each floor.

D have apple mobile and live on even numbered floor. Person having Nokia mobile lives above D but not in same named flat. One floor gap between F and A. F and A live in same named flat but none of them have Nokia mobile. C does not have Nokia mobile but he lives in the north-east of the one having oppo mobile. B who has vivo mobile and F live on same floor. The person having Samsung mobile lives above the person having MI mobile.

- (a) B
- (b) D
- (c) F
- (d) A
- (e) E

Ans.(a)

Q29. Point B is 5 m east of point C. Point D is 8 m south of point C. Point E is 2 m west of point D. Point A is 10 m south of point B. Point E is 4 m north of point F. In which direction is point A with respect to point F?

- (a) North-East
- (b) North-West
- (c) South-East
- (d) South-West
- (e) West

Ans.(a)

Q30. How is B related to F?

Read the given information carefully and answer the questions based on it:

F is the only son of D. G is the grandfather of B. H is the sister-in-law of C. H is the daughter of G and has no siblings. H is the daughter-in-law of A. E is the maternal grandmother of B. C and B are from the same gender. A is not the father of F. Three married couples are there in the family.

- (a) Sister
- (b) Cousin
- (c) Daughter
- (d) Niece
- (e) Grandmother

Ans.(c)

Q31. How is D related to B?

Read the given information carefully and answer the questions based on it:

F is the only son of D. G is the grandfather of B. H is the sister-in-law of C. H is the daughter of G and has no siblings. H is the daughter-in-law of A. E is the maternal grandmother of B. C and B are from the same gender. A is not the father of F. Three married couples are there in the family.

- (a) Grandfather
- (b) Father
- (c) Uncle
- (d) Father-in-law
- (e) Brother

Ans.(a)

Q32. . If X is the sister of A, then how is X related to F?

Read the given information carefully and answer the questions based on it:

F is the only son of D. G is the grandfather of B. H is the sister-in-law of C. H is the daughter of G and has no siblings. H is the daughter-in-law of A. E is the maternal grandmother of B. C and B are from the same gender. A is not the father of F. Three married couples are there in the family.

- (a) Daughter
- (b) Daughter-in-law
- (c) Aunt
- (d) Sister-in-law
- (e) Niece

Ans.(c)

Q33. Which of the following persons is from Mysore?

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

Nine persons—A, B, C, D, E, F, G, H and I—are from three different cities: Ranchi, Shillong and Mysore. At least two and not more than four persons are from the same city.

D and H are from different cities. F and E are not from Ranchi. E and H are from the same city. A and F are from different cities. F is not from the same city as H and D. C and G are from the same city. C is neither from Mysore nor from same city as D. I is not from the same city as C and H. Odd number of persons lives with C. B is not from Shillong. A and B are not from the same city.

- (a) A
- (b) C
- (c) D
- (d) E
- (e) B

Ans.(e)

Q34. Four of the following five are alike in a certain way and thus form a group. Who among the following doesn't belong to the group? Study the following information carefully and answer the questions given below.

Nine persons—A, B, C, D, E, F, G, H and I—are from three different cities: Ranchi, Shillong and Mysore. At least two and not more than four persons are from the same city.

D and H are from different cities. F and E are not from Ranchi. E and H are from the same city. A and F are from different cities. F is not from the same city as H and D. C and G are from the same city. C is neither from Mysore nor from same city as D. I is not from the same city as C and H. Odd number of persons lives with C. B is not from Shillong. A and B are not from the same city.

- (a) E
- (b) F
- (c) C
- (d) G
- (e) H

Ans.(b)

Q35. Which of the following pairs is from Ranchi?

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

Nine persons—A, B, C, D, E, F, G, H and I—are from three different cities: Ranchi, Shillong and Mysore.

At least two and not more than four persons are from the same city.

D and H are from different cities. F and E are not from Ranchi. E and H are from the same city. A and F are from different cities. F is not from the same city as H and D. C and G are from the same city. C is neither from Mysore nor from same city as D. I is not from the same city as C and H. Odd number of persons lives with C. B is not from Shillong. A and B are not from the same city.

- (a) A and C
- (b) D and G
- (c) D and I
- (d) I and H
- (e) C and A

Ans.(c)

Q36. Who among the following is from the same city as B?

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

Nine persons—A, B, C, D, E, F, G, H and I—are from three different cities: Ranchi, Shillong and Mysore.

At least two and not more than four persons are from the same city.

D and H are from different cities. F and E are not from Ranchi. E and H are from the same city. A and F are from different cities. F is not from the same city as H and D. C and G are from the same city. C is neither from Mysore nor from same city as D. I is not from the same city as C and H. Odd number of persons lives with C. B is not from Shillong. A and B are not from the same city.

- (a) A
- (b) D
- (c) F
- (d) E
- (e) G

Ans.(c)

Q37. A and G are from which cities respectively?

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

Nine persons—A, B, C, D, E, F, G, H and I—are from three different cities: Ranchi, Shillong and Mysore.

At least two and not more than four persons are from the same city.

D and H are from different cities. F and E are not from Ranchi. E and H are from the same city. A and F are from different cities. F is not from the same city as H and D. C and G are from the same city. C is neither from Mysore nor from same city as D. I is not from the same city as C and H. Odd number of persons lives with C. B is not from Shillong. A and B are not from the same city.

- (a) Ranchi and Mysore
- (b) Shillong and Mysore
- (c) Both are from Shillong
- (d) Ranchi and Shillong
- (e) Both are from Ranchi

Ans.(d)

Q38. Which of the following expressions is definitely true based on:

$$M \leq X < Y = Z; P \geq X < R; W < R > V$$

- (a) $M < R$
- (b) $Y > W$
- (c) $X \leq V$
- (d) $P > Z$
- (e) $V < P$

Ans.(a)

Q39. Which of the following symbols respectively should replace the blanks in the given expression in order to make the statements " $Q > M$ " and " $M < Y$ " definitely true?

$$Y > F \geq T = P _ M \leq L < A _ Q$$

- (a) $>, >$
- (b) $\geq, >$
- (c) $>, \geq$
- (d) $>, <$
- (e) $\leq, <$

Ans.(d)

Q40. In which of these expressions, $B > Q$ be definitely true?

- (a) $K > O \leq B \leq C; F \geq K > Q$
- (b) $B \geq Z \geq P > A = Q \geq G > E$
- (c) $B \leq E \leq Q = G < H$
- (d) $Q > F \geq B \leq K = X \leq H = V$
- (e) $M > B = O \geq G; F < Q = M$

Ans.(b)

Q41. Why is the carbonate-silicate cycle critical for climate regulation on Earth?

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO_2) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic

system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit “hemispheric tectonics,” where hot material rises on one side and cold material sinks on the other. Although different from Earth’s plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter’s volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth’s uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) It generates oxygen, aiding in the regulation and stabilization of global temperatures.
- (b) It triggers volcanic eruptions that contribute to an increase in Earth’s temperature.
- (c) It sequesters carbon dioxide in rocks and releases it through volcanic eruptions, maintaining natural thermostat.
- (d) It elevates atmospheric carbon dioxide, leading to a rise in the planet’s temperature.
- (e) It has no significant impact on regulating Earth’s climate.

Ans.(c)

Q42. Which of the following statements is/are accurate with respect to the role of plate tectonics, as per the passage?

- (I) It constantly renews the planet’s rocky outer layer.
- (II) It ensures a steady flow of nutrients to the oceans and creates diverse landscapes.
- (III) It is considered a hindrance to temperature regulation.

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet’s surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth’s “natural thermostat.” This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth’s climate could have become uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped

Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) Only (III)
- (b) Only (I) and (III)
- (c) Only (II) and (III)
- (d) Only (I) and (II)
- (e) All (I), (II), and (III)

Ans.(d)

Q43. Which of the following statements is/are incorrect with respect to the information in passage?

- (I) Plate tectonics is crucial for sustaining a habitable environment over billions of years.
- (II) What makes plate tectonics truly remarkable is its widespread occurrence.
- (III) Earth, along with other rocky planets, has active tectonic recycling.

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and

releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) All (I), (II), and (III)
- (b) Only (III)
- (c) Only (I) and (II)
- (d) Only (I) and (III)
- (e) Only (II) and (III)

Ans.(e)

Q44. Which of the following is true regarding "hemispheric tectonics"?

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become

uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) It involves the collision of two separate tectonic plates from different hemispheres.
- (b) A process where one hemisphere experiences volcanic activity while the other remains inactive.
- (c) A recycling mechanism where cold material rises and hot material sinks in a symmetrical pattern.
- (d) A type of tectonics exclusive to Earth and other rocky planets.
- (e) A process where hot material rises in one hemisphere while cold material sinks in the other.

Ans.(e)

Q45. How can volcanic activity and atmospheric gas analysis offer evidence of tectonic processes on exoplanets?

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become

uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) By noting the presence of water vapor, which could signal tectonic-driven volcanic activity.
- (b) By analyzing specific rock compositions, such as cobalt or lead, that form through tectonic recycling.
- (c) By measuring sulfur dioxide and other volcanic gases, which could be signs of active tectonics.
- (d) By observing volcanic eruptions that release only carbon dioxide, which can suggest tectonic activity.
- (e) None of the above

Ans.(c)

Q46. Which of the following words is the most opposite in meaning to "exhibit" as used in the passage? Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped

Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) strut
- (b) obscure
- (c) manifest
- (d) flaunt
- (e) indicate

Ans.(b)

Q47. Which of the following words is the closest in meaning to "hypothesize" as used in the passage?

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped

Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) doubt
- (b) question
- (c) repudiate
- (d) suspect
- (e) presume

Ans.(e)

Q48. . Which of the following words is the closest in meaning to "remarkable" as used in the passage?

Read the given passage and answer the following questions.

Plate tectonics, a unique Earth process, has been instrumental in shaping the planet's surface, regulating its climate, and enabling life. By continuously recycling the rocky outer shell, it maintains a flow of nutrients to oceans, fosters diverse landscapes, and keeps Earth temperate. This process is thought to be critical for sustaining a habitable environment over billions of years.

At the heart of plate tectonics lies the carbonate-silicate cycle, often referred to as Earth's "natural thermostat." This cycle regulates atmospheric carbon dioxide (CO₂) levels by trapping it in rocks and releasing it back through volcanic activity. Without this balancing act, Earth's climate could have become uninhabitable, with frozen lakes, evaporated rivers, and nutrient-deprived oceans. The cycle has helped

Earth recover from extreme climate events, including "Snowball Earth" episodes and intense greenhouse phases.

What makes plate tectonics truly remarkable is its apparent rarity. Among the rocky planets in our solar system, Earth is the only one with active tectonic recycling. Venus, Mars, and Mercury lack this dynamic system. Recent advances, particularly through the James Webb Space Telescope (JWST), are enabling scientists to study distant exoplanets and search for signs of similar geologic processes. Discovering plate tectonics on another planet would revolutionize our understanding of how Earth developed its life-supporting systems.

One promising candidate for study is LHS 3844 b, a rocky exoplanet 49 light-years away. Tidally locked to its star, this planet experiences extreme temperature contrasts between its permanent day and night sides. Researchers hypothesize it might exhibit "hemispheric tectonics," where hot material rises on one side and cold material sinks on the other. Although different from Earth's plate tectonics, this form of recycling could offer clues about geologic activity beyond our solar system.

Volcanism provides another potential sign of tectonic processes. On Earth, volcanic activity often aligns with plate boundaries. Similarly, if hemispheric tectonics exists on LHS 3844 b, volcanic eruptions may predominantly occur on its day side. Gases released by volcanoes, such as sulfur dioxide, could also serve as indirect evidence of tectonic activity. Another exoplanet, LP 791-18 d, is expected to experience intense volcanism due to tidal heating, resembling Jupiter's volcanic moon Io.

With tools like JWST, scientists can analyze exoplanetary atmospheres, detect volcanic gases, and study the thermal glow of rocky surfaces. The composition of surface rocks, such as basalt or granite, may reveal whether a planet undergoes tectonic recycling.

Though challenging, the search for plate tectonics on other planets is a crucial step toward understanding Earth's uniqueness and the broader potential for life in the universe. As technology advances, the exploration of exoplanet geology promises to unlock the secrets of habitability far beyond our own world.

- (a) typical
- (b) prosaic
- (c) bizarre
- (d) exceptional
- (e) quaint

Ans.(d)

Q49. Which of the following should be the FIRST sentence after rearrangement?

Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) Over time, the pumpkin became a symbol of Halloween festivities, often carved into jack-o'-lanterns to ward off spirits.
- (B) The legend of Stingy Jack, which originated from Irish folklore, is said to have inspired the tradition of carving faces into vegetables.
- (C) On the island of Ireland, early Halloween celebrations were closely tied to Samhain, a Celtic festival marking the end of the harvest season.
- (D) Immigrants from Ireland and Scotland brought these traditions to North America, where pumpkins—larger and easier to carve than turnips—became the vegetable of choice.

(E) Halloween, celebrated on October 31st, is believed to have ancient roots in pagan rituals and customs.

(F) Today, Halloween is a global phenomenon, characterized by costumes, trick-or-treating, and spooky decorations.

(a) D

(b) A

(c) B

(d) E

(e) F

Ans.(d)

Q50. Which of the following should be the SECOND sentence after rearrangement?

Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) Over time, the pumpkin became a symbol of Halloween festivities, often carved into jack-o'-lanterns to ward off spirits.

(B) The legend of Stingy Jack, which originated from Irish folklore, is said to have inspired the tradition of carving faces into vegetables.

(C) On the island of Ireland, early Halloween celebrations were closely tied to Samhain, a Celtic festival marking the end of the harvest season.

(D) Immigrants from Ireland and Scotland brought these traditions to North America, where pumpkins—larger and easier to carve than turnips—became the vegetable of choice.

(E) Halloween, celebrated on October 31st, is believed to have ancient roots in pagan rituals and customs.

(F) Today, Halloween is a global phenomenon, characterized by costumes, trick-or-treating, and spooky decorations.

(a) D

(b) F

(c) E

(d) A

(e) C

Ans.(e)

Q51. Which of the following should be the THIRD sentence after rearrangement?

Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) Over time, the pumpkin became a symbol of Halloween festivities, often carved into jack-o'-lanterns to ward off spirits.

(B) The legend of Stingy Jack, which originated from Irish folklore, is said to have inspired the tradition of carving faces into vegetables.

(C) On the island of Ireland, early Halloween celebrations were closely tied to Samhain, a Celtic festival marking the end of the harvest season.

(D) Immigrants from Ireland and Scotland brought these traditions to North America, where pumpkins—larger and easier to carve than turnips—became the vegetable of choice.

(E) Halloween, celebrated on October 31st, is believed to have ancient roots in pagan rituals and customs.

(F) Today, Halloween is a global phenomenon, characterized by costumes, trick-or-treating, and spooky decorations.

(a) A

(b) E

(c) B

(d) D

(e) F

Ans.(c)

Q52. Which of the following should be the FOURTH sentence after rearrangement?

Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) Over time, the pumpkin became a symbol of Halloween festivities, often carved into jack-o'-lanterns to ward off spirits.

(B) The legend of Stingy Jack, which originated from Irish folklore, is said to have inspired the tradition of carving faces into vegetables.

(C) On the island of Ireland, early Halloween celebrations were closely tied to Samhain, a Celtic festival marking the end of the harvest season.

(D) Immigrants from Ireland and Scotland brought these traditions to North America, where pumpkins—larger and easier to carve than turnips—became the vegetable of choice.

(E) Halloween, celebrated on October 31st, is believed to have ancient roots in pagan rituals and customs.

(F) Today, Halloween is a global phenomenon, characterized by costumes, trick-or-treating, and spooky decorations.

(a) B

(b) E

(c) D

(d) C

(e) F

Ans.(c)

Q53. Which of the following should be the FIFTH sentence after rearrangement?

Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) Over time, the pumpkin became a symbol of Halloween festivities, often carved into jack-o'-lanterns to ward off spirits.

(B) The legend of Stingy Jack, which originated from Irish folklore, is said to have inspired the tradition of carving faces into vegetables.

(C) On the island of Ireland, early Halloween celebrations were closely tied to Samhain, a Celtic festival marking the end of the harvest season.

(D) Immigrants from Ireland and Scotland brought these traditions to North America, where pumpkins—larger and easier to carve than turnips—became the vegetable of choice.

(E) Halloween, celebrated on October 31st, is believed to have ancient roots in pagan rituals and customs.

(F) Today, Halloween is a global phenomenon, characterized by costumes, trick-or-treating, and spooky decorations.

(a) D

(b) B

(c) E

(d) A

(e) C

Ans.(d)

Q54. Which of the following will fit in the blank (A)?

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

The origin of the ongoing crisis in the Indian economy was the fateful night of November 8, 2016. Dr. Manmohan Singh's _____ (A) words in Parliament — that demonetisation would lead to a 2% drop in the GDP — were not _____ (B) by the Prime Minister. On the contrary, a badly designed and hastily implemented _____ (C) Goods and Services Tax (GST) followed, further _____ (D) vast numbers of medium and small enterprises, as well as the vast informal sector of the economy. Together, these twin disasters robbed millions of their livelihoods and _____ (E) the Indian economy into a prolonged slump that predates the COVID-19 pandemic.

(a) particularly

(b) description

(c) incentive

(d) reward

(e) prescient

Ans.(e)

Q55. Which of the following will fit in the blank (B)?

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

The origin of the ongoing crisis in the Indian economy was the fateful night of November 8, 2016. Dr. Manmohan Singh's _____ (A) words in Parliament — that demonetisation would lead to a 2% drop in the GDP — were not _____ (B) by the Prime Minister. On the contrary, a badly designed and hastily implemented _____ (C) Goods and Services Tax (GST) followed, further _____ (D) vast numbers of medium and small enterprises, as well as the vast informal sector of the economy. Together, these twin

disasters robbed millions of their livelihoods and _____ (E) the Indian economy into a prolonged slump that predates the COVID-19 pandemic.

- (a) managing
- (b) portions
- (c) heeded
- (d) inflict
- (e) collapse

Ans.(c)

Q56. Which of the following will fit in the blank (C)?

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

The origin of the ongoing crisis in the Indian economy was the fateful night of November 8, 2016. Dr. Manmohan Singh's _____ (A) words in Parliament — that demonetisation would lead to a 2% drop in the GDP — were not _____ (B) by the Prime Minister. On the contrary, a badly designed and hastily implemented _____ (C) Goods and Services Tax (GST) followed, further _____ (D) vast numbers of medium and small enterprises, as well as the vast informal sector of the economy. Together, these twin disasters robbed millions of their livelihoods and _____ (E) the Indian economy into a prolonged slump that predates the COVID-19 pandemic.

- (a) flawed
- (b) turned
- (c) ruin
- (d) deceptive
- (e) intent

Ans.(a)

Q57. Which of the following will fit in the blank (D)?

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

The origin of the ongoing crisis in the Indian economy was the fateful night of November 8, 2016. Dr. Manmohan Singh's _____ (A) words in Parliament — that demonetisation would lead to a 2% drop in the GDP — were not _____ (B) by the Prime Minister. On the contrary, a badly designed and hastily implemented _____ (C) Goods and Services Tax (GST) followed, further _____ (D) vast numbers of medium and small enterprises, as well as the vast informal sector of the economy. Together, these twin disasters robbed millions of their livelihoods and _____ (E) the Indian economy into a prolonged slump that predates the COVID-19 pandemic.

- (a) devastating
- (b) persists
- (c) undervalue
- (d) default
- (e) disposal

Ans.(a)

Q58. Which of the following will fit in the blank (E)?

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

The origin of the ongoing crisis in the Indian economy was the fateful night of November 8, 2016. Dr. Manmohan Singh's _____ (A) words in Parliament — that demonetisation would lead to a 2% drop in the GDP — were not _____ (B) by the Prime Minister. On the contrary, a badly designed and hastily implemented _____ (C) Goods and Services Tax (GST) followed, further _____ (D) vast numbers of medium and small enterprises, as well as the vast informal sector of the economy. Together, these twin disasters robbed millions of their livelihoods and _____ (E) the Indian economy into a prolonged slump that predates the COVID-19 pandemic.

- (a) reserve
- (b) explicit
- (c) plunged
- (d) extract
- (e) achieve

Ans.(c)

Q59. Read each of the following four sentences to find out whether there is any grammatical mistake/error in it. Choose the sentence with no grammatical error as the correct answer. If all the given sentences are grammatically incorrect, choose option "All are incorrect" as the correct answer.

- (a) His separation was agonizing, but it was imperative for his guardian.
- (b) Ashwath had been okay with box office debates as long as they were respectful.
- (c) Comedian's joke about disabilities sparks debate on sensitizing in humor.
- (d) The pacing, aided by sharp editing and a lively soundtrack, keeps the narrative move.
- (e) All are incorrect

Ans.(b)

Q60. Read each of the following four sentences to find out whether there is any grammatical mistake/error in it. Choose the sentence with no grammatical error as the correct answer. If all the given sentences are grammatically incorrect, choose option "All are incorrect" as the correct answer.

- (a) Students attend the school because teachers enhance their growth through empathy and communication.
- (b) Bridget is putting with a brave face, ensuring her children remember their father fondly.
- (c) Foreigners tribunals can't reopen the little citizenship cases without new, valid reasons.
- (d) I hope you don't mind my borrowing your notes, as I want to complete the work I missed.
- (e) All are incorrect

Ans.(d)

Q61. In the following question, a few sentences are given. Choose and mark the sentence which contains no grammatical or contextual error in it. If all the sentences are grammatically and contextually incorrect, mark option "All are incorrect" as the answer choice.

- (a) Michibiki 6 will be the five satellite in Japan's regional navigation system.
- (b) Gambusia Affinis is find in freshwater, survives in low oxygen levels, and are viviparous.
- (c) A gene bank is a repository for genetic material, like seeds, pollen, or tissue samples, to protects them from extinction.
- (d) The VSHORADS uses a dual-thrust solid motor to counter low-altitude aerial threats at short ranges.
- (e) All are incorrect

Ans.(d)

Q62. In the question below four sentences are given, in which one can be incorrect. Choose the incorrect one as the answer. If all the sentences are correct, then choose option "All are correct" as the answer.

- (a) The permeable material allowed a large amount of water to seep through.
- (b) Because he never brushes or flosses, the man's teeth are caked with disgusting crud.
- (c) Harsh winter weather can replace the skin's tenderness with dry and chap layers.
- (d) The pillow's softness made the man feel as if he was sleeping on a cloud.
- (e) All are correct

Ans.(c)

Q63. In the question below four sentences are given, in which one can be incorrect. Choose the incorrect one as the answer. If all the sentences are correct, then choose option "All are correct" as the answer.

- (a) When I am online, I often feel there is a conspiracy by government organizations to track my every click.
- (b) The government enacted the laws to deter it's enemies from challenging its authority.
- (c) Because the pyramid scheme is nothing but a scam, I will not invest in it.
- (d) Many of Nature's most vulnerable species depend on cunning camouflage to protect them from predators
- (e) All are correct

Ans.(b)

Q64. The question given below contains four sentences, out of which one sentence might be grammatically incorrect. Choose the option that points out the grammatically incorrect sentence. If all sentences are correct, then choose option "All are correct" as the answer.

- (a) I didn't realize how hurtful my words had been until I saw Sherrie's expression, agape with shock.
- (b) During the meeting, the CEO will unveil his plans for the future of their company.
- (c) After sitting in the sun, the once juicy and round grapes are now dry and shrivelled.
- (d) While whistling cheerfully, the happy-go-lucky girl skipped down the street.
- (e) All are correct

Ans.(b)

Q65. The new healthcare scheme was been seen as a vital reform in the medical industry.

The sentence given below has a part highlighted in bold, which may be grammatically or contextually incorrect. Select the most appropriate phrase from the following options to make the sentence grammatically correct and contextually meaningful. If the sentence is correct as it is, then select "No improvement needed" as the answer.

- (a) was being seeing
- (b) has seen
- (c) was seen
- (d) is being seen
- (e) No improvement needed

Ans.(c)

Q66. The SARFAESI Act enable banks to recovers bad loans by auctioning collateral without court intervention.

The sentence given below has a part highlighted in bold, which may be grammatically or contextually incorrect. Select the most appropriate phrase from the following options to make the sentence grammatically correct and contextually meaningful. If the sentence is correct as it is, then select "No improvement needed" as the answer.

- (a) enables banks to recover
- (b) enabling banks to recover
- (c) enabled banks to recovering
- (d) enable banks to recovering
- (e) No improvement needed

Ans.(a)

Q67. The US President signed an order to withdraw from the WHO and Paris Agreement, reshaping international cooperation.

The sentence given below has a part highlighted in bold, which may be grammatically or contextually incorrect. Select the most appropriate phrase from the following options to make the sentence grammatically correct and contextually meaningful. If the sentence is correct as it is, then select "No improvement needed" as the answer.

- (a) sign an order to withdraw
- (b) signed an order to withdrew
- (c) signing an order to withdraws
- (d) sign an order to withdraws
- (e) No improvement needed

Ans.(e)

Q68. Despite the frigid weather, the lane was teemed with puckish kids and some were fighting.

In the following question, a sentence is provided with a highlighted phrase that may be incorrect. If the highlighted phrase is incorrect, choose the option that best replaces the phrase to make the sentence both grammatically and contextually correct.

- (a) were teemed with puckish kids

- (b) is teeming with puckish kids
(c) is teemed with puckish kids
(d) was teeming with puckish kids
(e) No correction required

Ans.(d)

Q69. The guest speaker _____ on the importance of ethical leadership in today's corporate environment, highlighting real-world examples to _____ the consequences of moral compromise. In the following question a sentence is given with two blanks. Choose the correct pair to fill the blanks in the respective order to make the sentence grammatically and contextually correct.

- (a) elaborated, underscore
(b) lectured, blend
(c) skimmed, emphasize
(d) rushed, culminate
(e) ignored, underwrite

Ans.(a)

Q70. He _____ accepted the award, knowing that the recognition was more a result of politics than a genuine _____ of his work and contribution.

In the following question a sentence is given with two blanks. Choose the correct pair to fill the blanks in the respective order to make the sentence grammatically and contextually correct.

- (a) eagerly, criticism
(b) graciously, delivered
(c) willingly, validation
(d) reluctantly, appreciation
(e) hesitantly, acknowledging

Ans.(d)

Q71. The candidate's refusal to address key issues during the debate _____ critics and gave rise to a wave of public _____.

In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

- (a) pleased, joy
(b) alarmed, support
(c) silenced, admiration
(d) frustrated, backlash
(e) entertained, approval

Ans.(d)

Q72. The treaty was signed after months of negotiations, marking a _____ chapter in the nation's _____ history.

In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

- (a) critical, joyful
- (b) deadly, peaceful
- (c) sudden, ancient
- (d) dull, glorious
- (e) hopeful, war-torn

Ans.(e)

Q73. In India, urban management (A) communities and dietitians (B) note alternative (C) interest in rising (D) methods for weight wellness (E) and gut health.

In each of the questions given below, five words are given in bold. These five words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should be interchanged with each other to make the sentence grammatically and contextually correct. Find the correct combination of the words that should replace each other.

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

Ans.(d)

Q74. Given the chaotic (A) times we live in, where challenging (B) events is understanding (C), manifestation(D) holds its own allure(E).

In each of the questions given below, five words are given in bold. These five words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should be interchanged with each other to make the sentence grammatically and contextually correct. Find the correct combination of the words that should replace each other.

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

Ans.(b)

Q75. The verge of extinction (A) points accusingly (B) to the condition of India's threatening (C) grasslands, shrinking (D) wildlife survival (E).

In each of the questions given below, five words are given in bold. These five words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words

that should be interchanged with each other to make the sentence grammatically and contextually correct. Find the correct combination of the words that should replace each other.

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

Ans.(a)

Q76. Rogue privacy (A) pose a major threat (B) by using compromise (C) hacks to sophisticated (D) consumer data websites (E).

In each of the questions given below, five words are given in bold. These five words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should be interchanged with each other to make the sentence grammatically and contextually correct. Find the correct combination of the words that should replace each other.

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

Ans.(c)

Q77. A. regulatory framework requires

B. stringent compliance from

C. all financial institutions

D. the newly introduced

E. operating within the region

In the following question, a sentence is divided into few parts. Rearrange these parts and identify the correct sequence making the sentence grammatically and contextually correct.

- (a) BCEDA
- (b) DABCE
- (c) AEBCD
- (d) ADCBE
- (e) No rearrangement required

Ans.(b)

Q78. A. mitigate climate risks

B. global investments in

C. renewable energy systems

D. have accelerated rapidly over

E. the last decade to

In the following question, a sentence is divided into few parts. Rearrange these parts and identify the correct sequence making the sentence grammatically and contextually correct.

- (a) BCDEA
- (b) BCDAE
- (c) ADCBE
- (d) EABCD
- (e) No rearrangement required

Ans.(a)

Q79. DISCREET

- (A) The painting was discreet, with large, flashy gold patterns that drew attention.
- (B) He was very discreet about the confidential information, ensuring no one else overheard.
- (C) She made a discreet inquiry to avoid embarrassing her friend.

In the following question, a word is given followed by three sentences. Choose the combination of sentences that correctly uses the word.

- (a) Only A and B
- (b) Only C
- (c) Only B and C
- (d) Only A and C
- (e) All A, B and C

Ans.(c)

Q80. Quench

- (A) After a long run, Sarah quenched her thirst with a refreshing glass of water.
- (B) The heavy rain failed to quench the fire that had engulfed the building.
- (C) The artist's creativity was quenched by the strict rules imposed by the gallery.

In the question below a word is given and using that word three sentences are given. Choose the sentence(s) that has/have the correct usage of the word.

- (a) Only (A)
- (b) Only (B)
- (c) Only (C)
- (d) Only (A) and (C)
- (e) All of these

Ans.(e)

Q81. $(284.02 + 184.001 \div 3.997) \div (594.01 \div 9.02) = ?$

What approximate value should come in place of the question mark (?) in the following questions?

- (a) 25
- (b) 15
- (c) 20
- (d) 5
- (e) 10

Ans.(d)

Q82. $684.03 + 2171.999 \div 5.98 + 49.98 \times 5.02 = ?^2$

What approximate value should come in place of the question mark (?) in the following questions?

- (a) 42
- (b) 36
- (c) 24
- (d) 26
- (e) 16

Ans.(b)

Q83. $89.99\% \text{ of } 440.01 + \frac{9}{11} \text{ of } 120.98 = ? - 45.11 \times 2.09$

What approximate value should come in place of the question mark (?) in the following questions?

- (a) 440
- (b) 585
- (c) 695
- (d) 605
- (e) 820

Ans.(b)

Q84. What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

$\sqrt{784} \times 2.96 + ? = 69.98\% \text{ of } 500.4$

- (a) 250
- (b) 261
- (c) 266
- (d) 310
- (e) 325

Ans.(c)

Q85. $29.09\% \text{ of } 299 + 1/3 \text{ of } 400 = ? \times 11.02$

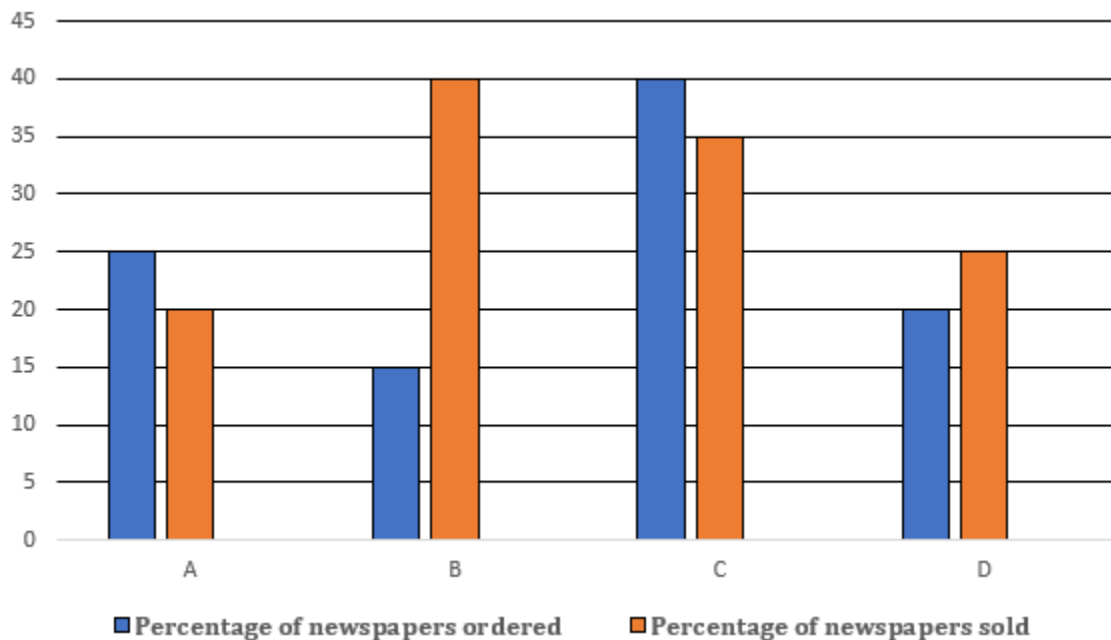
What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

- (a) 5
- (b) 15
- (c) 12
- (d) 20
- (e) 25

Ans.(d)

Directions (86-90): Given bar graph shows percentage distribution of total newspapers ordered by four shopkeepers (A, B, C & D) and percentage of newspapers sold by these four shopkeepers out of total newspapers ordered by each. Read the data carefully and answer the questions.

Note: Total newspapers ordered by all four shopkeepers together = 1200



Q86. Total unsold newspaper of shopkeepers A & D together are how much more than total sold newspaper of shopkeeper C?

- (a) 252
- (b) 264
- (c) 256
- (d) 232
- (e) 236

Ans.(a)

Q87. If total newspapers sold by shopkeeper X are 125% more than total newspapers sold by shopkeeper B and shopkeeper X sold 27% of total ordered newspapers, then find total newspapers ordered by shopkeeper X are what percent more than total newspapers ordered by shopkeeper C?

- (a) 36%
- (b) 15%
- (c) 30%
- (d) 20%
- (e) 25%

Ans.(e)

Q88. Find average number of unsold newspapers of shopkeepers B, C and D?

- (a) 240
- (b) 200
- (c) 160
- (d) 220
- (e) 144

Ans.(b)

Q89. Find the ratio of total newspapers sold by shopkeepers A and D together to total newspapers sold by shopkeeper B?

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

Ans.(a)

Q90. If total newspapers ordered by shopkeeper E is 100% more than total unsold newspapers of shopkeeper D and shopkeeper E sold 30% of total ordered newspapers, then find unsold newspapers of shopkeeper E are what percent more/less than unsold newspapers of shopkeeper A?

- (a) 5%
- (b) 10%
- (c) 15%
- (d) 2%
- (e) 8%

Ans.(a)

Q91. ?, 2, 3, 8, 35, 204

Find out the missing number in the given number series.

- (a) -2
- (b) 1.5
- (c) 1
- (d) 2
- (e) 0.5

Ans.(d)

Q92. ?, 69, 109, 164, 234, 319

Find out the missing term in the given number series.

- (a) 43
- (b) 40
- (c) 42
- (d) 41
- (e) 44

Ans.(e)

Q93. Find out the missing term in the given number series.

27, 81, 135, 189, 243, ?

- (a) 287
- (b) 297
- (c) 267
- (d) 277
- (e) 257

Ans.(b)

Q94. What will come in the place of question (?) mark in following number series:

901, 890, ?, 835, 791, 736

- (a) 868
- (b) 865
- (c) 888
- (d) 846
- (e) 890

Ans.(a)

Q95. What will come in the place of question mark (?) in following series?

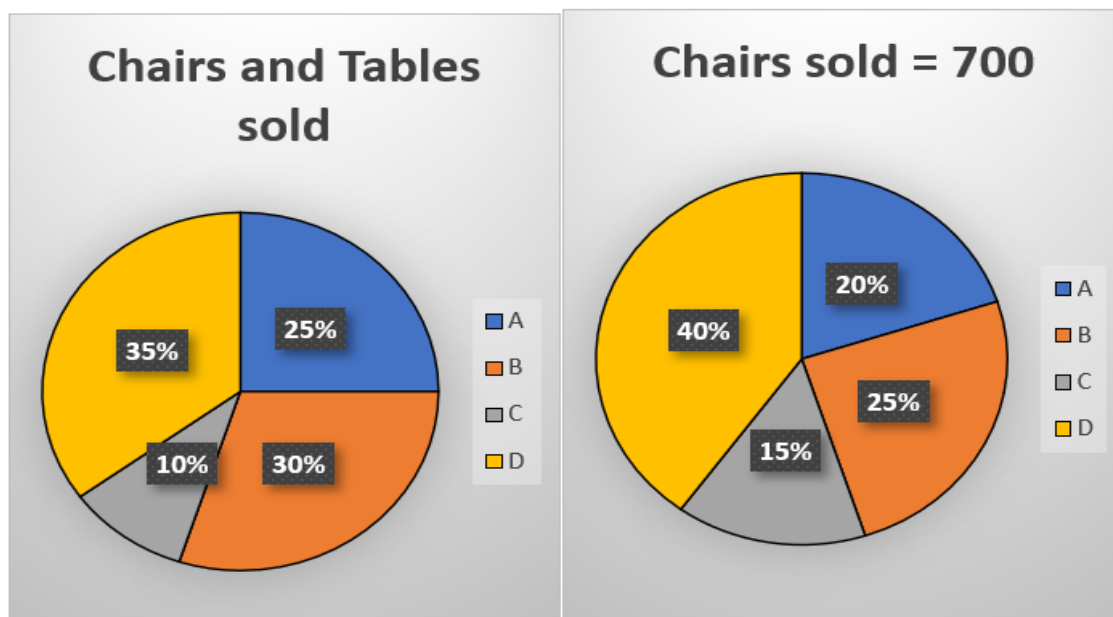
32, 35, 43, 58, ?, 117

- (a) 84
- (b) 82
- (c) 80
- (d) 86
- (e) 90

Ans.(b)

Directions (96-100): Read the following pie charts carefully and answer the questions given below. The pie chart I shows the percentage distribution of the total chairs and tables sold together, and pie chart II shows the percentage distribution of the chairs sold by four different shops.

Note: Total tables sold by C is 5.



Q96. Find the difference between the total tables sold by C and D together and the total chairs sold by A and B together.

- (a) 210
- (b) 205
- (c) 200
- (d) 220
- (e) 215

Ans.(b)

Q97. The total tables sold by A is what percentage more or less than the total chairs sold by C (approx.)?

- (a) 33%
- (b) 29%
- (c) 23%
- (d) 18%
- (e) 43%

Ans.(b)

Q98. Find the ratio of the total chairs sold by B, C, and D together to the total tables sold by A, B, and D together.

- (a) 112 : 79
- (b) 111: 79
- (c) 110 : 77
- (d) 109 : 72
- (e) 113 : 70

Ans.(a)

Q99. The total chairs sold by E is the average of the total tables sold by A and C. If the total tables sold by E is 40% more than the total chairs sold by B, then the total chairs and tables sold together by E is how many more or less than that of D?

- (a) 60
- (b) 50
- (c) 70
- (d) 40
- (e) 80

Ans.(c)

Q100. 20% of the total tables and 40% of the total chairs sold by B are defective. The total non-defective tables and chairs sold by B is what percentage of the total number of tables sold by all four shops?

- (a) 49.33%
- (b) 51.67%
- (c) 45.75%
- (d) 57.25%
- (e) 69.75%

Ans.(d)

Q101.

I. $8x^2 + 6x - 5 = 0$

II. $12y^2 - 22y + 8 = 0$

In each of the following question, two equations (I) and (II) are given. You have to solve both the equations and give answer accordingly.

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y

Ans.(d)

Q102.

I. $x^2 - 44x + 484 = 0$

II. $y^2 - 27y + 182 = 0$

Solve the given quadratic equations and mark the correct option

- (a) $x \leq y$
- (b) $x < y$
- (c) $x > y$
- (d) $x = y$ or no relation can be established between x and y .
- (e) $x \geq y$

Ans.(c)

Q103. I. $3x^2 - 22x + 40 = 0$

II. $2y^2 - 17y + 36 = 0$

In the following question, two equations are given. Solve these equations, and answer the question given below.

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $y > x$
- (d) if $y \geq x$
- (e) if $x = y$ or no relation can be established

Ans.(d)

Q104. I. $2x^2 + 9\sqrt{3}x + 30 = 0$

II. $3y^2 + 2\sqrt{2}y - 16 = 0$

In the following question, two equations are given. Solve these equations, and answer the question given below.

- (a) if $x < y$
- (b) if $x \leq y$

(c) if $x = y$ or no relation can be established

(d) if $x > y$

(e) if $x \geq y$

Ans.(a)

Q105.

I. $3x^2 - 19x + 20 = 0$

II. $2y^2 - 11y + 9 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or no relation can be established between x and y

Ans.(e)

Directions (106-110): Table given below shows the data of male and females using cars and autos in five different cities (A, B, C, D and E). Read the following table carefully and answer the questions given below.

City	Number of males using cars	Number of females using cars	Ratio of Car users to Auto users	Difference between males using auto and females using auto
A	50	70	3:4	20
B	80	20	1:2	40
C	50	150	1:1	100
D	X	130	5:4	20
E	140	160	3:4	100

Note: The number of males using autos are more than the number of females using autos in all the cities.

Q106. Find the difference between the number of females using auto in city A and city C.

(a) 30

(b) 20

(c) 25

(d) 35

(e) 40

Ans.(b)

Q107. Find the ratio of total females using autos (except in city D) and total males using cars in cities A, C, and E.

(a) 14: 65

(b) 13: 25

(c) 35: 24

(d) 45: 11

(e) 32: 15

Ans.(c)

Q108. If in city B, 20% of the males using cars and 30% of the males using auto met with an accident, then find the total number of males in city B who did not meet with accident are how many more or less than total females using both the vehicles in city B.

(a) 44

(b) 56

(c) 64

(d) 32

(e) 48

Ans.(e)

Q109. If in city D, the total number of auto users are 180 more than the difference between males using auto and females using auto in the city D, then find the value of X.

(a) 120

(b) 175

(c) 200

(d) 220

(e) 150

Ans.(a)

Q110. The number of females using autos in city E is what percent more/less than the difference of males and females who use cars in city C.

(a) 40%

(b) 30%

(c) 10%

(d) 50%

(e) 25%

Ans.(d)

Q111. A and B entered into a partnership with investments of Rs. $(P+300)$ and Rs. P , respectively. After 8 months, A withdrew Rs. 400 and B invested Rs. 300 more. If at the end of the year, the profit-sharing ratio of A to B is 25:24, respectively, then find the initial investment of A.

(a) Rs 1800

(b) Rs 2100

(c) Rs 1500

(d) Rs 2400

(e) Rs 1200

Ans.(a)

Q112. The ratio of income of A to that of B is 7 : 5 and the ratio of expenditure of A to that of B is 2 : 3. When the expenditure of A gets double, then the saving of A becomes Rs. 5000. If saving of B is Rs. 3500, then find the income of B.

- (a) 6000 Rs.
- (b) 7500 Rs.
- (c) 10000 Rs.
- (d) 5000 Rs.
- (e) 4000 Rs.

Ans.(d)

Q113. The sum of age of A and B is 12 years more than twice the age of C and Sum of ages of A & D is twice the age of C. If the average age of B&D is 50 years and average age of all four is also 50 years, then find the difference between the age of A and C?

- (a) 6 years
- (b) 1 years
- (c) 3 years
- (d) 4 years
- (e) 2 years

Ans.(d)

Q114. Present ages of P and Q are 'Y' years and 'Y+5' years respectively. If the ratio of the age of P three years ago and the age of Q two years hence is 7:12 respectively, then find the age (in years) of Q after three years.

- (a) 22
- (b) 25
- (c) 17
- (d) 13
- (e) 29

Ans.(b)

Q115. The cost price of an article is Rs (X+500). The shopkeeper marked the article 80% above its cost price, and the shopkeeper earned 44% profit on selling the article. The shopkeeper allows a discount of Rs 1260 on the article, then find the value of X.

- (a) 3750
- (b) 3250
- (c) 3500
- (d) 3000
- (e) 3900

Ans.(d)

Q116. A man invested Rs P at the rate of $x\%$ p.a. on simple interest for eight years and he received interest equal to $\frac{3}{10}$ of Rs 2P. If man invested Rs (P + 1500) on compound interest for two years at rate of $(3x - 2.5)\%$ p.a., then he received Rs 9360 as amount. Find the value of P.

- (a) 7200 Rs.
- (b) 7000 Rs.
- (c) 6500 Rs.
- (d) 5000 Rs
- (e) 6400 Rs.

Ans.(d)

Q117. A vessel contains 150 liters of juice and water, quantity of water is $57\frac{1}{7}\%$ less than quantity of juice. If 'y' liters of water and ' $\frac{5y}{11}$ ' liters of juice are added in the mixture, then the ratio of juice to water becomes 13:10 respectively. Value of 'y' is_____.

- (a) 55
- (b) 40
- (c) 25
- (d) 60
- (e) 75

Ans.(a)

Q118. Train P having length (L + 100) meters overtakes another train Q having length (2L + 50) meters in 12 seconds while ratio of speed of train P to train Q is 3:2. If train Q crosses a pole in 3 seconds, then find the L.

- (a) 50
- (b) 150
- (c) 200
- (d) 250
- (e) 100

Ans.(a)

Q119. The still water speed of a boat is 14 km/hr and the speed of stream is $\frac{200}{3}$ meters/minute. Find how much distance the boat will covers upstream in the same time the boat can cover 144 km downstream?

- (a) 80 km
- (b) 72 km
- (c) 108 km
- (d) 75 km
- (e) 90 km

Ans.(a)

Q120. A can complete a piece of work in 30 days, and the ratio of time taken by A to B is 2 : 3. C is 25% more efficient than B. If all three start working together, in how many days will the work be completed?

- (a) 12
- (b) 11
- (c) 10
- (d) 15
- (e) 20

Ans.(a)

Q121. FTP is an acronym for _____.

- (a) File Translation Protocol
- (b) File Transfer Protocol
- (c) Pile Transaction Protocol
- (d) Fiber Transfer Protocol
- (e) None of the above

Ans.(b)

Q122. Which of the following is a low-level language?

- (a) C++
- (b) Java
- (c) Assembly
- (d) Python
- (e) SQL

Ans.(c)

Q123. Which generation of computers uses Vacuum tubes for Circuitry and Magnetic drum of Memory?

- (a) Third Generation
- (b) Fourth Generation
- (c) First Generation
- (d) Second Generation
- (e) None of the above

Ans.(c)

Q124. What is the full form of SERP?

- (a) Search Engine Ranking Process
- (b) Search Engine Results Page
- (c) Systematic Electronic Resource Processing
- (d) Server Error Resolution Protocol
- (e) Search Enhancement and Response Page

Ans.(b)

Q125. Who is known as the father of computer ?

- (a) Navghton
- (b) Danis Ritchie
- (c) Charles Babbage
- (d) james Gosling
- (e) None of the above

Ans.(c)

Q126. PDF files can be changed and manipulated using which of the following applications?

- (a) WordPad
- (b) Adobe Acrobat
- (c) Google Sheets
- (d) MS Paint
- (e) Notepad

Ans.(b)

Q127. The OSI model has how many layers?

- (a) Seven
- (b) Five
- (c) Three
- (d) Eight
- (e) None of the above

Ans.(a)

Q128. Which is a type of malicious code or software that looks legitimate but can take control of your computer?

- (a) Trojan horse
- (b) Worm
- (c) Virus
- (d) Time bomb
- (e) Spyware

Ans.(a)

Q129. Which of the following is a binary number?

- (a) 123
- (b) 256
- (c) 111
- (d) 789
- (e) 905

Ans.(c)

Q130. Which of the following components is connected to the motherboard via cables like SATA, ATA, and SCSI?

- (a) RAM
- (b) Solid State Drive
- (c) Graphics Card
- (d) Power Supply Unit
- (e) Cooling Fan

Ans.(b)

Q131. Which program translates the entire source code at once before execution?

- (a) Interpreter
- (b) Assembler
- (c) Compiler
- (d) Debugger
- (e) Loader

Ans.(c)

Q132. The digital telecommunications term ISDN is an abbreviation for _____.

- (a) Integrated Standard Digital Networks
- (b) Internet Services Data Network
- (c) Interactive Standard Dynamic Networks
- (d) Integrated Services Digital Network
- (e) None of the above

Ans.(d)

Q133. Which of the following keyboard shortcut used to open new window in Google Chrome?

- (a) Ctrl+Shift+ N
- (b) Ctrl+Shift+ W
- (c) Ctrl+ N
- (d) Ctrl+W
- (e) None of the above

Ans.(c)

Q134. Which of the following is not a part of the System Unit in a Personal Computer?

- (a) Motherboard
- (b) Processor
- (c) RAM
- (d) Modem
- (e) Power Supply

Ans.(d)

Q135. What does Gbps stand for?

- (a) Gigabytes per second
- (b) Gigabits per second
- (c) General Bandwidth Processing System
- (d) Global Binary Processing Speed
- (e) Gigahertz bandwidth processing speed

Ans.(b)

Q136. A huge gap between users and non-users of e-government services is called:

- (a) Information overload
- (b) Digital divide
- (c) Cyber gap
- (d) Service bottleneck
- (e) None of the above

Ans.(b)

Q137. What is the interconnected network of computers worldwide called?

- (a) Intranet
- (b) Extranet
- (c) Internet
- (d) LAN
- (e) MAN

Ans.(c)

Q138. What is the process of moving from Windows XP to Windows 98 called?

- (a) Upgrading
- (b) Downgrading
- (c) Formatting
- (d) Installing a Service Pack
- (e) Dual Booting

Ans.(b)

Q139. Which of the following is NOT a feature of an SSD?

- (a) Faster read and write speed
- (b) No moving parts
- (c) More energy efficient
- (d) Having moving parts
- (e) Silent operation

Ans.(d)

Q140. In MS Excel, a set of cells is located in which of the following?

- (a) Workbook
- (b) Worksheet
- (c) Row
- (d) Column
- (e) Formula Bar

Ans.(b)

Q141. Among the following options, which is the largest unit of storage?

- (a) TB
- (b) PB
- (c) ZB
- (d) GB
- (e) None of the above

Ans.(c)

Q142. Which of the following memory types temporarily stores data and instructions while a computer is running?

- (a) Read-Only Memory (ROM)
- (b) Cache Memory
- (c) Hard Disk Drive (HDD)
- (d) Random Access Memory (RAM)
- (e) Flash Memory

Ans.(d)

Q143. The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement specialty called:

- (a) Robotics
- (b) Computer forensics
- (c) Simulation
- (d) Animation
- (e) Digital analysis

Ans.(b)

Q144. The Program Status Word (PSW) register is a hardware register used for:

- (a) Storing the currently running program's instructions
- (b) Tracking the status of a program and the state of the CPU
- (c) Managing virtual memory in an operating system
- (d) Controlling input and output devices directly
- (e) Storing user data permanently

Ans.(b)

Q145. How can you protect a storage disk and secure its data?

- (a) Formatting the disk regularly
- (b) Encrypting the disk using software or hardware
- (c) Deleting files permanently
- (d) Changing the disk name frequently
- (e) Removing the disk from the computer when not in use

Ans.(b)

Q146. During data processing, where are the current instructions stored in the CPU?

- (a) Cache Memory
- (b) Register
- (c) RAM
- (d) Hard Disk
- (e) ALU

Ans.(b)

Q147. Which of the following is a Web Crawler?

- (a) Googlebot
- (b) Bing
- (c) Yahoo
- (d) DuckDuckGo
- (e) Baidu

Ans.(a)

Q148. What is the purpose of cache memory in a CPU?

- (a) To store permanent data like a hard disk
- (b) To enhance the processing speed by storing frequently accessed data
- (c) To replace the RAM in a computer
- (d) To provide additional storage space for files
- (e) To store the operating system permanently

Ans.(b)

Q149. Which of the following correctly represents the memory hierarchy from highest to lowest speed?

- (a) SRAM > DRAM > Cache > ROM > EEPROM > PROM
- (b) Register > Cache > ROM > RAM > EEPROM > HDD
- (c) Register > Cache > SRAM > DRAM > ROM > EEPROM > PROM
- (d) Cache > Register > DRAM > SRAM > PROM > ROM
- (e) DRAM > SRAM > Cache > ROM > PROM > EEPROM

Ans.(c)

Q150. Which of the following is the electronic circuitry that executes instructions comprising a computer program?

- (a) RAM

- (b) Cache Memory
- (c) Processor
- (d) Hard Disk Drive
- (e) Power Supply Unit

Ans.(c)

Q151. Which of the following is an example of firmware?

- (a) Microsoft Windows
- (b) BIOS
- (c) Google Chrome
- (d) MS Word
- (e) RAM

Ans.(b)

Q152. PDF is an acronym for:

- (a) Portable data format
- (b) Printable data format
- (c) Portable document format
- (d) Printable document format
- (e) None of the above

Ans.(c)

Q153. A type of program that plans, tests, and analyzes hardware components is called:

- (a) Diagnostic Software
- (b) Utility Software
- (c) System Software
- (d) Application Software
- (e) Firmware

Ans.(a)

Q154. What is the full form of ICMP?

- (a) Internet Control Message Protocol
- (b) Internal Communication Management Protocol
- (c) Internet Connection Monitoring Protocol
- (d) Integrated Circuit Management Protocol
- (e) International Computer Messaging Protocol

Ans.(a)

Q155. Which keyboard shortcut is used for “Redo”?

- (a) Ctrl + Z
- (b) Ctrl + X
- (c) Ctrl + Y
- (d) Ctrl + R

**Test
Prime**

By Adda247

PREVIOUS YEAR PAPERS PDF



PRACTICE MORE, SCORE HIGHER!



**Free
25,000+
PDF's**

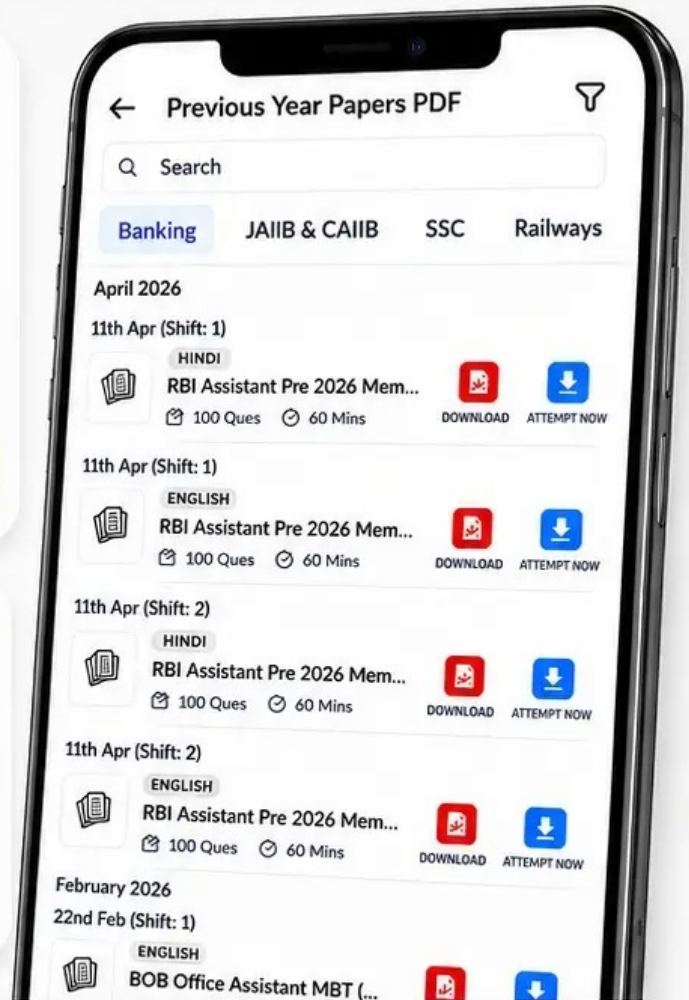
High-Quality | Exam-Wise | Updated Regularly



**ATTEMPT AS
MOCK**



Turn PDFs into real exam experience.
Analyze. Improve. Succeed.



Topic-wise &
Exam-wise PDFs



Download &
Study Offline



Attempt as Mock
& Track Score



Smart Analysis
& Performance

AVAILABLE IN



Banking



SSC



Railway



Teaching



UGC



Agriculture



Nursing



Bihar



UP



Punjab



WB



Odisha



TN



AP & Telangana



Haryana



DOWNLOAD TEST PRIME

Test

Prime



SUCCESS GALLERY!

★ MEET THE ACHIEVERS ★



Kunal, RRB JE



Shivam, UPSSSC AGTA



Priya, ANM



KHALILUR, LDA



Manoj, PWD



Atin, JENPAS



Shatarupa, OPSC



Arpita, JENPAS



Shital, SSC JE (Mech)



Nancy, UGC NET



Atul, SSC JE (ELCT)



Rahul, SSC JE (CIVIL)



Anand, SSC JE (ELCT)



Mohan, SSC JE (ELCT)



Saurabh, UGC NET



Ved, SSC JE (Mech)

★ THEY DID IT. YOU CAN TOO ★

READ THEIR STORIES!



(e) Ctrl + D

Ans.(c)

Q156. Clock Rate or Processor Speed means:

- (a) Rate at which a computer's CPU executes instructions
- (b) Rate at which data is stored in the CPU
- (c) Rate at which the computer's memory is accessed
- (d) Rate at which the computer's power consumption is measured
- (e) Rate at which the computer's graphics are rendered

Ans.(a)

Q157. Which of the following uses web crawlers to index the content of websites across the Internet?

- (a) Web Browser
- (b) Search Engine
- (c) Social Media Platform
- (d) Email Client
- (e) Cloud Storage Service

Ans.(b)

Q158. According to the binary system, 1024 Kilobytes is equal to:

- (a) 1 Gigabit
- (b) 1 Gigabyte
- (c) 1 Megabit
- (d) 1 Megabyte
- (e) 1 Terabyte

Ans.(d)

Q159. Which generation of computers does the IBM System/360 belong to?

- (a) First Generation
- (b) Second Generation
- (c) Third Generation
- (d) Fourth Generation
- (e) Fifth Generation

Ans.(c)

Q160. What is the full form of NAT?

- (a) Network Access Terminal
- (b) Network Address Translation
- (c) Node Authentication Tool
- (d) Network Application Test
- (e) Network Analysis Technique

Ans.(b)