



Reasoning Ability

Memory Based Questions

IBPS RRB OFFICER SCALE-I 2020

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Reasoning Question Asked In IBPS RRB Scale-1 :

12-Sep-2020

Direction (1 – 5) : Study the following information carefully and answer the questions that follow.

Seven boxes A, B, C, D, E, F and G are placed one above another such that the first box is placed at the bottommost position is numbered 1, the box above it is numbered 2 and so on. They are of different shapes such as Circle, Triangle, Square, Hexagon, Pentagon, Rectangle and Oval but not necessarily in the same order. The one which is oval in shape is kept at the top. Two boxes are kept between box F and box B, and none of them is at the topmost or bottommost position. Box E is circular in shape. Box A is Triangular in shape and kept at 4th position from the bottom. The box which is Hexagonal is kept immediately above box A. Box B is kept at the second position from the bottom. More than four boxes are placed between box C and box E. Two boxes are placed between box G and box D, which is Rectangular in shape. Three boxes are placed between box B and the box which is Square in shape.

Q1. How many boxes are placed between box G and box E?

- A. One
- B. Two
- C. Three
- D. Four
- E. Five

Ans1. D. Four

Q2. Which among the following boxes is Square in shape?

- A. F
- B. B
- C. G
- D. D
- E. C

Ans2. C. G

Q3. Four of them are alike in a certain way, which of the following doesn't belong to that group?

- A. C
- B. F
- C. D
- D. E
- E. B

Ans3. E. B

Q4. What is the position of box D with respect to box C?

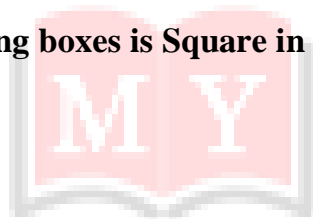
- A. Immediately below.
- B. Immediately above
- C. Second below.
- D. Third below
- E. Fourth below

Ans4. E. Fourth below

Q5. Box B is in which shape?

- A. Square
- B. Pentagon
- C. Hexagon
- D. Oval
- E. Triangle

Ans5. B. Pentagon



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Position	Box	Shape
7	C	Oval
6	G	Square
5	F	Hexagon
4	A	Triangle
3	D	Rectangle
2	B	Pentagon
1	E	Circle

Direction (6 – 10): Read the following information carefully. And answer the following questions given below.

There are seven persons i.e. A, B, C, D, E, F and G who lives in a building having three floors such that ground floor is numbered as 1 and above it is 2 and so on up to top floor numbered as 3. Each of the floor consist of 3 flats as flat-1, flat-2 and flat-3. Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and in the same way flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on. Flat-2 is in east of flat-1 and flat-3 is in east of flat-2. Not less than two person lives on the same floor. Only one person lives in a flat. Two flats are vacant. Only one floor is between F and G but both live in same flat number. D lives immediately west to G. E lives immediately above C. No one lives on the east of F. C does not lives in the same flat number as D. E and D do not live on the same floor. A does not live in the same flat number as C. B live below the floor on which A lives but not in the same flat number. B lives in an even numbered flat and on even numbered floor but not on the same floor on which C lives.

Q6. Who among the following lives immediately above B?

- A. A
- B. D
- C. G
- D. F
- E. None of these

Ans6. D) F

Q7. A live on which of the following flat?

- A. Flat 1.
- B. Flat 2
- C. Flat 3
- D. Either (A) or (B)
- E. Either (A) or (C)

Ans7. A. Flat 1

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Q8. On which of the following floor three persons lives?

- A. 1st Floor B. 2nd Floor
C. 3rd Floor D. Can't be determined
E. Either 1st or 3rd

Ans8. A. 1st Floor

Q9. Which of the following is true regarding A?

- A. Flat 1- 2nd Floor B. Flat 3- 3rd Floor
C. Flat 1- 3rd Floor D. Flat 2- 2nd Floor
E. None of these

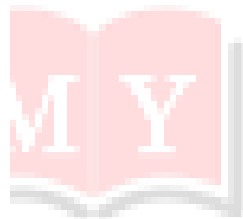
Ans9. C. Flat 1- 3rd Floor

Q10. Who among the following lives immediately below E?

- A. A B. B
C. C D. D
E. F

Ans10. C. C

Floor	Flat 1	Flat 2	Flat 3
3	A	F	nil
2	Nil	B	E
1	D	G	C



Direction (11-15): Read the given information carefully and answer the questions given beside.

Eight persons Aashvi, Bhairav, Chavez, Dhruvi, Eeshan, Faizan, Geetika and Hendrik are sitting in a straight line facing north direction. They all have different ages such as 8, 12, 14, 21, 28, 36, 44 and 56.

Two persons are sitting between Chavez and the one whose age is 56 years. The one whose age is 14 years is sitting second to the left of Chavez. Bhairav sits to the immediate left of the one whose age is 56 years. One person is sitting between Hendrik and the one whose age is 56 years. Either Hendrik or the one whose age is 56 years is sitting at the extreme end. There is a difference of 6 years between the ages of Faizan and Geetika and two persons are sitting between them. The one whose age is 12 is sitting second to the left of Dhruvi. Dhruvi is not sitting at the extreme end. There is one person sitting between Faizan and the one whose age is 44 years. Aashvi is an immediate neighbor of the one whose age is 44 years. Eeshan and the one whose age is 21 years are immediate neighbors. Hendrik is older than Aashvi.

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Q11. How many persons are sitting between the people who are having age difference of 4 years?

- A. One
- B. Two
- C. None
- D. Four
- E. None of the above

Ans11. C. None

Q12. What is the age difference between Faizan and Dhruvi?

- A. 8 years
- B. 7 years
- C. 5 years
- D. 6 years
- E. None of these

Ans12. B.

Q13. What is the age of Hendrik?

- A. 44 years
- B. 21 years
- C. 36 years
- D. 56 years
- E. 14 years

Ans13. C.

Q14. What is the sum of the ages of the persons who sit at extreme end?

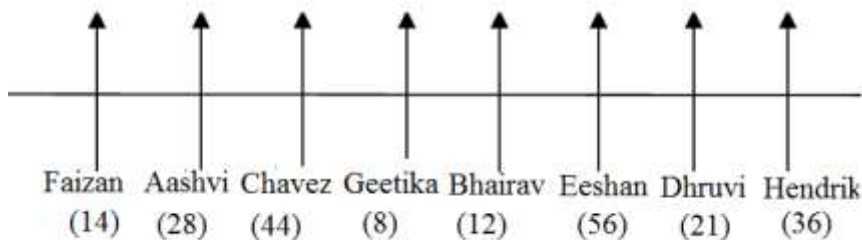
- A. 52
- B. 50
- C. 42
- D. 68
- E. 64

Ans14. B.

Q15. What is the name of the person whose age is 56 years?

- A. Faizan
- B. Bhairav
- C. Dhruvi
- D. Eashan
- E. None of these.

Ans15. D.



Directions (16-20): Study the following information carefully and answer the questions given below:

In a certain code language,

‘routine word lab mock’ is coded as ‘dy bk rm rt’

‘lab mock quality high’ is coded as ‘rm rt si gh’

‘exam mock quality analysis’ is coded as ‘yp rt si me’

‘analysis routine work check’ is coded as ‘me dy wk hd’

Q16. What is the code for ‘analysis lab’?

- A. rm si
- B. me gh
- C. me rm
- D. bk rm
- E. None of these

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Ans16. C.

Q17. What is the code for 'work quality check'?

- A. hd gh si B. wk hd rt
C. wk si hd D. si wk yp
E. Cannot be determined

Ans17. C

Q18. 'dy' is denoted as?

- A. word B. lab
C. mock D. routine
E. None of these

Ans18. D.

Q19. What may be the code for 'routine work review'?

- A. si hd bk B. wk hd cd
C. hd me cd D. cd wk dy
E. hd cd bk

Ans19.D

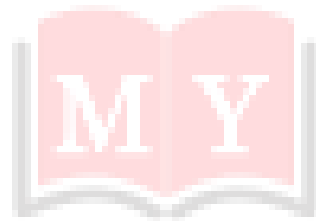
Q20. What is the code for 'high quality'?

- A. si dy B. gh si
C. hd gh D. yp bk
E. None of these

Ans20. B.

Explanation (16-20):

Word	Code
Work/check	wk/hd
Exam	yp
Analysis	me
high	gh
word	bk
lab	rm
quality	si
mock	rt
routine	dy



Directions (21-25): In the following question assuming the given statements to be true, find which of the conclusion(s) among given conclusions is/ are definitely true and then give your answers accordingly.

Q21. Statements: $O \leq B \geq T = D \leq J < F > G$

Conclusions:

I. $F < O$

II. $F > T$

- A. Only I is follow B. Only II is follow
C. Either I or II follow. D. Neither I nor II follow
E. Both I and II are follow

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Ans21. (B) Only II is follow

Conclusions:

I. $F < O \rightarrow F > J \geq D = T \leq B \geq O$ (false)

II. $F > T \rightarrow F > J \geq D = T$ (true)

Q22. Statement: $K = Y < H, R \leq H, R \leq U$

Conclusions:

I. $H > U$

II. $R < K$

A. Only I is follow. B. Only II is follow

C. Either I or II follow. D. Neither I nor II follow

E. Both I and II are follow

Ans22. (D) Neither I nor II follow

Conclusions:

I. $H > U \rightarrow H \geq R \leq U$ (false)

II. $R < K \rightarrow R \leq H > Y = K$ (false)

Q23. Statements: $X \geq L > A = W < P, A = T \geq B < R$

Conclusions:

I. $R > A$

II. $P > R$

A. Only I is follow B. Only II is follow

C. If either I or II follow D. If neither I or II follow

E. If both I and II follow

Ans23. (D) If neither I or II follow

Conclusions:

I. $R > A \rightarrow R > B \leq T = A$ (false)

II. $P > R \rightarrow P > W = A = T \geq B < R$ (false)

Q24. What should be placed in place of question mark (?) in equation $B \leq A ? N$

? K to make $B < K$ always follow.

A. =, >

B. =, <

C. =, \geq

D. =, \leq

E. None of these

Ans24. (B) =, <

$B \leq A = N < K$

$B < K \rightarrow B \leq A = N < K$ (true)

Q25. Statements: $Z > C \geq B, T = B \leq V, Q \geq B$

Conclusions:

I. $B < Z$

II. $Z \leq B$

A. Only I follows. B. Only II follows

C. Either I or II follows D. Neither I nor II follows

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E. Both I and II follows

Ans25. (A) Only I follows

Conclusions:

I. $B < Z \rightarrow B \leq C < Z$ (true)

II. $Z \leq B \rightarrow Z > C \geq B$ (false)

Direction (26 – 30) : Study the following information carefully and answer the questions that follow.

Seven boxes A, B, C, D, E, F and G are placed one above another such that the first box is placed at the bottommost position is numbered 1, the box above it is numbered 2 and so on. They are of different shapes such as Circle, Triangle, Square, Hexagon, Pentagon, Rectangle and Oval but not necessarily in the same order. The one which is oval in shape is kept at the top. Two boxes are kept between box F and box B, and none of them is at the topmost or bottommost position. Box E is circular in shape. Box A is Triangular in shape and kept at 4th position from the bottom. The box which is Hexagonal is kept immediately above box A. Box B is kept at the second position from the bottom. More than four boxes are placed between box C and box E. Two boxes are placed between box G and box D, which is Rectangular in shape. Three boxes are placed between box B and the box which is Square in shape.

Q26. How many boxes are placed between box G and box E?

- A. One
B. Two
C. Three
D. Four
E. Five

Ans26. D. Four

Q27. Which among the following boxes is Square in shape?

- A. F
B. B
C. G
D. D
E. C

Ans27. C. G

Q28. Four of them are alike in a certain way, which of the following doesn't belong to that group?

- A. C
B. F
C. D
D. E
E. B

Ans28. E. B

Q29. What is the position of box D with respect to box C?

- A. Immediately below.
B. Immediately above
C. Second below.
D. Third below
E. Fourth below

Ans29. E. Fourth below

Q30. Box B is in which shape?

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- A. Square
C. Hexagon
E. Triangle
- B. Pentagon
D. Oval

Ans30. B.Pentagon

Position	Box	Shape
7	C	Oval
6	G	Square
5	F	Hexagon
4	A	Triangle
3	D	Rectangle
2	B	Pentagon
1	E	Circle

Direction (31 – 35): Read the following information carefully. And answer the following questions given below.

There are seven persons i.e. A, B, C, D, E, F and G who live in a building having three floors such that ground floor is numbered as 1 and above it is 2 and so on up to top floor numbered as 3. Each of the floor consists of 3 flats as flat-1, flat-2 and flat-3. Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and in the same way flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on. Flat-2 is in east of flat-1 and flat-3 is in east of flat-2. Not less than two persons live on the same floor. Only one person lives in a flat. Two flats are vacant. Only one floor is between F and G but both live in same flat number. D lives immediately west to G. E lives immediately above C. No one lives on the east of F. C does not live in the same flat number as D. E and D do not live on the same floor. A does not live in the same flat number as C. B lives below the floor on which A lives but not in the same flat number. B lives in an even numbered flat and on even numbered floor but not on the same floor on which C lives.

Q31. Who among the following lives immediately above B?

- A. A
C. G
E. None of these
- B. D
D. F

Ans31. D) F

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Q32. A live on which of the following flat?

- A. Flat 1. B. Flat 2
C. Flat 3 D. Either (A) or (B)
E. Either (A) or (C)

Ans32. A. Flat 1

Q33. On which of the following floor three persons lives?

- A. 1st Floor B. 2nd Floor
C. 3rd Floor D. Can't be determined
E. Either 1st or 3rd

Ans33. A. 1st Floor

Q34. Which of the following is true regarding A?

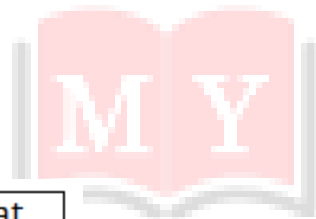
- A. Flat 1- 2nd Floor B. Flat 3- 3rd Floor
C. Flat 1- 3rd Floor D. Flat 2- 2nd Floor
E. None of these

Ans34. C. Flat 1- 3rd Floor

Q35. Who among the following lives immediately below E?

- A. A B. B
C. C D. D
E. F

Ans35. C. C



Floor	Flat 1	Flat 2	Flat 3
3	A	F	nil
2	Nil	B	E
1	D	G	C

Direction (36-40): Read the given information carefully and answer the questions given beside.

Eight persons Aashvi, Bhairav, Chavez, Dhruvi, Eeshan, Faizan, Geetika and Hendrik are sitting in a straight line facing north direction. They all have different ages such as 8, 12, 14, 21, 28, 36, 44 and 56.

Two persons are sitting between Chavez and the one whose age is 56 years. The one whose age is 14 years is sitting second to the left of Chavez. Bhairav sits to the immediate left of the one whose age is 56 years. One person is sitting between Hendrik and the one whose age is 56 years. Either Hendrik or the one whose age is 56 years is sitting at the extreme end. There is a difference of 6 years between the ages of Faizan and Geetika and two persons are sitting between them. The one whose age is

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12 is sitting second to the left of Dhruvi. Dhruvi is not sitting at the extreme end. There is one person sitting between Faizan and the one whose age is 44 years. Aashvi is an immediate neighbor of the one whose age is 44 years. Eeshan and the one whose age is 21 years are immediate neighbors. Hendrik is older than Aashvi.

Q36. How many persons are sitting between the people who are having age difference of 4 years?

- A. One
- B. Two
- C. None
- D. Four
- E. None of the above

Ans36. C. None

Q37. What is the age difference between Faizan and Dhruvi?

- A. 8 years
- B. 7 years
- C. 5 years
- D. 6 years
- E. None of these

Ans37. B.

Q38. What is the age of Hendrik?

- A. 44 years
- B. 21 years
- C. 36 years
- D. 56 years
- E. 14 years

Ans38. C.

Q39. What is the sum of the ages of the persons who sit at extreme end?

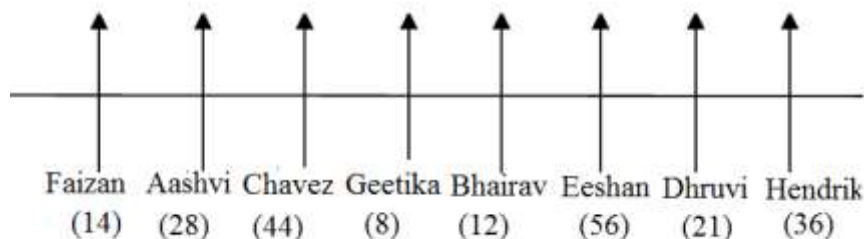
- A. 52
- B. 50
- C. 42
- D. 68
- E. 64

Ans39. B.

Q40. What is the name of the person whose age is 56 years?

- A. Faizan
- B. Bhairav
- C. Dhruvi
- D. Eashan
- E. None of these.

Ans40. D.



Directions (41-45): Study the following information carefully and answer the questions given below:

In a certain code language,

‘routine word lab mock’ is coded as ‘dy bk rm rt’

‘lab mock quality high’ is coded as ‘rm rt si gh’

‘exam mock quality analysis’ is coded as ‘yp rt si me’

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'analysis routine work check' is coded as 'me dy wk hd'

Q41. What is the code for 'analysis lab'?

- A. rm si B. me gh
C. me rm D. bk rm
E. None of these

Ans41. C.

Q42. What is the code for 'work quality check'?

- A. hd gh si B. wk hd rt
C. wk si hd D. si wk yp
E. Cannot be determined

Ans42. C

Q43. 'dy' is denoted as?

- A. word B. lab
C. mock D. routine
E. None of these

Ans43. D.

Q44. What may be the code for 'routine work review'?

- A. si hd bk B. wk hd cd
C. hd me cd D. cd wk dy
E. hd cd bk

Ans44.d.

Q45. What is the code for 'high quality'?

- A. si dy B. gh si
C. hd gh D. yp bk
E. None of these

Ans45. B.

Explanation (16-20):

Word	Code
Work/check	wk/hd
Exam	yp
Analysis	me
high	gh
word	bk
lab	rm
quality	si
mock	rt
routine	dy

Directions (46-50): In the following question assuming the given statements to be true, find which of the conclusion(s) among given conclusions is/ are definitely true and then give your answers accordingly.

Q46. Statements: $O \leq B \geq T = D \leq J < F > G$

Conclusions:

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I. $F < O$

II. $F > T$

- A. Only I is follow B. Only II is follow
C. Either I or II follow. D. Neither I nor II follow
E. Both I and II are follow

Ans46. (B) Only II is follow

Conclusions:

I. $F < O \rightarrow F > J \geq D = T \leq B \geq O$ (false)

II. $F > T \rightarrow F > J \geq D = T$ (true)

Q47. Statement: $K = Y < H, R \leq H, R \leq U$

Conclusions:

I. $H > U$

II. $R < K$

- A. Only I is follow. B. Only II is follow
C. Either I or II follow. D. Neither I nor II follow
E. Both I and II are follow

Ans47. (D) Neither I nor II follow

Conclusions:

I. $H > U \rightarrow H \geq R \leq U$ (false)

II. $R < K \rightarrow R \leq H > Y = K$ (false)

Q48. Statements: $X \geq L > A = W < P, A = T \geq B < R$

Conclusions:

I. $R > A$

II. $P > R$

- A. Only I is follow B. Only II is follow
C. If either I or II follow D. If neither I or II follow
E. If both I and II follow

Ans23. (D) If neither I or II follow

Conclusions:

I. $R > A \rightarrow R > B \leq T = A$ (false)

II. $P > R \rightarrow P > W = A = T \geq B < R$ (false)

Q49. What should be placed in place of question mark (?) in equation $B \leq A ? N ? K$ to make $B < K$ always follow.

A. =, >

B. =, <

C. =, \geq

D. =, \leq

E. None of these

Ans49. (B) =, <

$B \leq A = N < K$

$B < K \rightarrow B \leq A = N < K$ (true)

Q50. Statements: $Z > C \geq B, T = B \leq V, Q \geq B$

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Conclusions:

I. $B < Z$

II. $Z \leq B$

A. Only I follows. B. Only II follows

C. Either I or II follows D. Neither I nor II follows

E. Both I and II follows

Ans50. (A) Only I follows

Conclusions:

I. $B < Z \rightarrow B \leq C < Z$ (true)

II. $Z \leq B \rightarrow Z > C \geq B$ (false)

