

## IBPS Clerk Prelims Memory Based Paper 2020 – Reasoning Ability

**Directions(1-4):** In each of the following questions, the relationship between different elements is shown in the statements followed by two conclusions. Find the conclusion which is definitely true.

**1) Statements:**

$A > D > R < T = F \leq M < S > G$

**Conclusions:**

I.  $A > T$

II.  $R < S$

- a) If only conclusion I is true.
- b) If only conclusion II is true.
- c) If either conclusion I or II is true.
- d) If neither conclusion I nor II is true.
- e) If both conclusions I and II are true.

**2) Statements:**

$N > Y > R = W > S \leq V \geq L = H$

**Conclusions:**

I.  $N > S$

II.  $H \geq V$

- a) If only conclusion I is true.
- b) If only conclusion II is **true**.
- c) If either conclusion I or II is **true**.
- d) If neither conclusion I nor II is **true**.
- e) If both conclusions I and II are **true**.

**3) Statements:**

$X > Y = Z \geq Q \geq R \geq I = P > N$

**Conclusions:**

I.  $Y > N$

II.  $Z < P$

- a) If only conclusion I is true.
- b) If only conclusion II is true.
- c) If either conclusion I or II is **true**.
- d) If neither conclusion I nor II is true.
- e) If both conclusions I and II are true.

**4) Statements:**

$S > R > E < H \geq W \geq T > A > M$

**Conclusions:**

I.  $S < M$

II.  $E > A$

- a) If only conclusion I is true.
- b) If only conclusion II is true.
- c) If either conclusion I or II is true.
- d) If neither conclusion I nor II is true.
- e) If both conclusions I and II are true.

**Directions (5-7):** Study the following information carefully and answer the below questions.

Six persons- A, B, C, D, E and F are having different price mobile phones. F has costlier mobile than A. B has a mobile which is costlier only than E. C has costlier mobile than F who has costlier mobile than

D. Only two persons are having mobile between C and A.

Third costlier mobile rate is 45000.

**5) How many persons are having costlier mobile than A?**

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

**6) Who among the following has lower price mobile than D?**

- a) A
- b) B
- c) E
- d) All a, b and c options
- e) Both b and c

**7) If the sum of the price of D and F is 95000 and F and C is 110000 then what is the mobile price of C?**

- a) 60000
- b) 65000
- c) 55000
- d) 50000
- e) None of these

**Directions (8-12): Study the following information carefully and answer the below questions**

Eight persons- P, Q, R, S, T, U, V, and W are planning for the vacation on different months- March, June, August and November on different dates either 8 or 27 of the given month. All the information is not necessarily in the same order.

Q is planning for the vacation in the month of odd number of days and odd number date. Only one person is planned between Q and V. The number of persons plans before S is the same as after R. Three

persons are planning between Q and S. W is planned before T but not before P. Both W and U are planned for the same month. The numbers of persons planned between W and R is same as P and T.

**8) Which of the following combination is true?**

- a) March- R
- b) June- Q
- c) August- T
- d) March- V
- e) August- W

**9) Four of the following five are like in a certain way and form a group. Which of the following does not belong to the group?**

- a) P
- b) W
- c) Q
- d) T
- e) R

**10) If the persons are arranged in alphabetical order from March 8<sup>th</sup> then the position of how many persons remain unchanged?**

- a) No one
- b) One
- c) Two
- d) Three
- e) More than Three

**11) Which of the following month and date W planned for vacation?**

- a) August 8
- b) June 8

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- c) August 27
- d) November 8
- e) March 27

**12) How many persons are planning vacation between S and Q?**

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

**Directions (13-16): Study the following information carefully to answer the given questions:**

**6 7 2 4 5 3 2 7 9 4 5 9 6 3 5 6 2**

**8 5 7 4 7 8 5**

**13. How many 5's are there in the above series which are immediately followed by a prime number?**

- a) One
- b) Two
- c) Three
- d) None
- e) None of these

**14. How many even numbers are there in the above series which are immediately followed as well as preceded by an odd number?**

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

**15. How many odd numbers are there in between the numbers which are eighth from the right end and seventh from the left end in the given series?**

- a) Eight
- b) Four
- c) Seven
- d) Six
- e) Five

**16. Which among the following number is tenth to the left of eighth from the right end?**

- a) 7
- b) 9
- c) 2
- d) 5
- e) None of these

**Direction (17-19): Study the following information carefully and answer the questions given below:**

In the question below, three statements are given followed by conclusions: I, II, and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts.

Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**17) Statement:**

Some Blueberry is rose.

All Rose are pink.

Only few roses are black.

**Conclusion:**

I. Some Blueberry is black

II. All roses can be black.

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III. All pink can be black.

- a) Only III
- b) Both I and II
- c) Both II and III
- d) None Follows
- e) Only I

### 18) Statement:

Some grey are red.

Only few red are tomato.

Only few grey are shoes.

### Conclusion:

I. All Shoes can be red.

II. Some tomato is grey.

III. No tomato is grey.

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

### 19) Statement:

No card is black.

All Black is paper.

Only few cards are green.

### Conclusion:

I. All green can be Black.

II. All Paper can be card.

III. Some green can be paper.

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

e) Both I and III

**20) How many such pairs of digits are therein the number 725318649 each of which has as many digit between them in the number as in numerical series.**

- a) Two
- b) Four
- c) Three
- d) Five
- e) Six

**Direction (21-25) Study the following information and answer the question given below:**

There are eight person A, B, C, D, E, F, G, and H who were born on the same day of the same month of the different year i.e. 1983, 1950, 1978, 1963, 1993, 1969, 1994, and 1986 but not necessarily in the same order.

Note: Their ages are considered as on the same month and same day of 2021 as their date of births. The age of H is 5 years more than A. D is born just after A. E is older than D. The difference between the ages of A and E is thrice the difference between the ages of A and B. Age of C is 3 years more than the square of an odd number which is less than 32. F is older than D. The difference between the ages of G and H is a square of a number.

**21. Which of the following combination is correct?**

- (a) 1993-32-C
- (b) 1983-38-A
- (c) 1969-68-G
- (d) 1986-32-H
- (e) 1950-68-D

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**22. What is the difference between the age of C and G?**

- (a) 24
- (b) 16
- (c) 25
- (d) 30
- (e) 35

**23. Who among the following is not older than H?**

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

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

- (a) A-38
- (b) H-43
- (c) F-58
- (d) E-49
- (e) D-35

**25. If E is related to F, G is related to H in the same way C is related to which of the following?**

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

**Directions (26-30): Answer the questions based on the information given below.**

Eight persons viz. P, Q, R, S, T, U, V and W are living in an eight storey building, but not necessarily in the same order. The lowermost floor is numbered 1 and the floor immediately above is numbered 2 and so on. Not more than one person lives on the same floor.

Q lives on an odd numbered floor below the sixth floor but not on the bottommost floor. Only two persons live between Q and P, who lives above Q. The number of floors between Q and P is one more than the number of floors between Q and S who doesn't live adjacent to P. There is only one person living between P and T who lives immediately below

V. Not more than two persons live between U and R who lives immediately below W.

**26. Four of the following five are alike in a certain way and hence form a group. Find the one that doesn't belong to that group.**

- a) W
- b) T
- c) U
- d) P
- e) V

**27. In which of the following floor does R live?**

- a) 4<sup>th</sup>
- b) 5<sup>th</sup>
- c) 1<sup>st</sup>
- d) 7<sup>th</sup>
- e) 8<sup>th</sup>

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**28. How many persons live between T and W?**

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

**29. If all the persons are arranged in alphabetical order from top to bottom, then how many persons remain unchanged in their positions?**

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

**30. If P is related to T in the same way Q is related to S, then U is related to \_\_\_\_?**

- a) T
- b) Q
- c) S
- d) W
- e) R

**Directions (31-35): Answer the questions based on the information given below.**

Eight persons viz. Kavi, Meera, Netra, Priya, Ram, Ravi, Sita and Varun bought an article one after another, but not necessarily in the same order. The person who bought the article first was numbered 1 and immediately next was numbered 2 and so on. Not more than one person bought the article at the same time.

Kavi was bought at an even numbered position after number 4. Only two persons bought the article between Kavi and Varun who bought immediately after Netra. Sita bought three persons after Netra and immediately after Priya. Meera bought at an odd numbered position which is immediately before Ram who doesn't buy before Ravi.

**31. Who among the following person bought at the last?**

- a) Kavi
- b) Priya
- c) Netra
- d) Ram
- e) None of these

**32. How many persons bought between Varun and Meera?**

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

**33. Who among the following person bought two persons before Priya?**

- a) Ravi
- b) Netra
- c) Varun
- d) Ram
- e) None of these

**34. Which of the following option is correct with respect to the final arrangement?**

- a) Sita – 6

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- b) Priya – 2
- c) Varun – 5
- d) Meera – 1
- e) None of these

**35. Four of the following five are alike in a certain way and hence form a group. Find the one who doesn't belong to that group.**

- a) Priya
- b) Meera
- c) Sita
- d) Varun
- e) Ravi

**Answers:**

**1) Answer: B**

I.  $A > T$  ( $A > D > R < T$ ) **7** False II.  $R < S$   
 $(R < T = F < M < S)$  **7** True

**2) Answer: A**

I.  $N > S$  ( $N > Y > R = W > S$ ) **7** True  
 II.  $H \geq V$  ( $V \geq L = H$ ) **7** False

**3) Answer: A**

I.  $Y > N$  ( $Y = Z \geq Q \geq R \geq I = P > N$ ) **7** True  
 II.  $Z = P$  ( $Z \geq Q \geq R \geq I = P$ ) **7** False

**4) Answer: D**

I.  $S < M$  ( $S > R > E < H \geq W \geq T > A > M$ ) **7** False  
 II.  $E > A$  ( $E < H \geq W \geq T > A$ ) **7** False

**Directions (5-7):**

B has a mobile which is costlier only than E.

$\_ > \_ > \_ > \_ > B > E$

C has a costlier mobile than F who has costlier mobile than D.

$C > F > D$

Only two persons are having mobile between C and A.

F has a costlier mobile than A.

$C > F > D > A > B > E$

Third costlier mobile rate is 45000.

$C > F > D(45000) > A > B > E$

**5) Answer: C**

**6) Answer: D**

**7) Answer: A**

$D + F = 95000$

$F = 95000 - 45000 = 50000$

$F + C = 110000$

$C = 110000 - 50000 = 60000$

**Directions (8-12):**

March 8	P
March 27	S
June 8	W
June 27	U
August 8	T
August 27	Q
November 8	R
November 27	V

Q is planning for the vacation in the month of odd number of days and odd number date.

Three persons are planning between Q and S.

From the above condition, there are two possibilities.

	Case1	Case2
March 8		
March 27	S	Q
June 8		

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June 27		
August 8		
August 27	Q	S
November 8		
November 27		

The number of person plans before S is the same as after R.

Only one person is planned between Q and V.

From the above condition, there are three possibilities.

	Case1	Case2	Case1a
March 8			
March 27	S	Q	S
June 8		R	
June 27	V	V	
August 8			
August 27	Q	S	Q
November 8	R		R
November 27			V

Both W and U are planned for the same month. From the above condition, case1 gets eliminated.

	<del>Case1</del>	Case2	Case1a
March 8			
March 27	S	Q	S
June 8		R	W/U
June 27	V	V	W/U
August 8			
August 27	Q	S	Q
November 8	R	W/U	R
November 27		W/U	V

The numbers of persons planned between W and R is same as P and T.

	Case2	Case1a
March 8	P/T	P/T
March 27	Q	S
June 8	R	W
June 27	V	U
August 8	P/T	P/T
August 27	S	Q
November 8	W	R
November 27	U	V

W is planned before T but not before P.

From the above condition, case2 gets eliminated, case1a shows the final arrangement.

	<del>Case2</del>	Case1a
March 8	P/T	P
March 27	Q	S
June 8	R	W
June 27	V	U
August 8	P/T	T
August 27	S	Q
November 8	W	R
November 27	U	V

8) Answer: C

9) Answer: C

10) Answer: C

11) Answer: B

12) Answer: D

Directions (13-16):

13. Answer: B



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5 3, 5 7

14. Answer: D

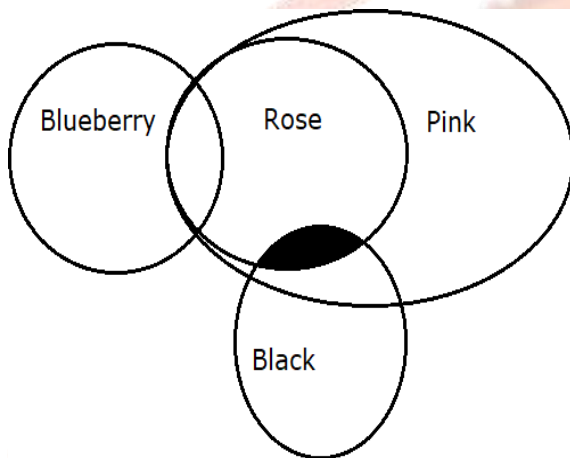
3 27, 9 4 5, 9 6 3, 7 4 7, 7 8 5

15. Answer: D

16. Answer: C

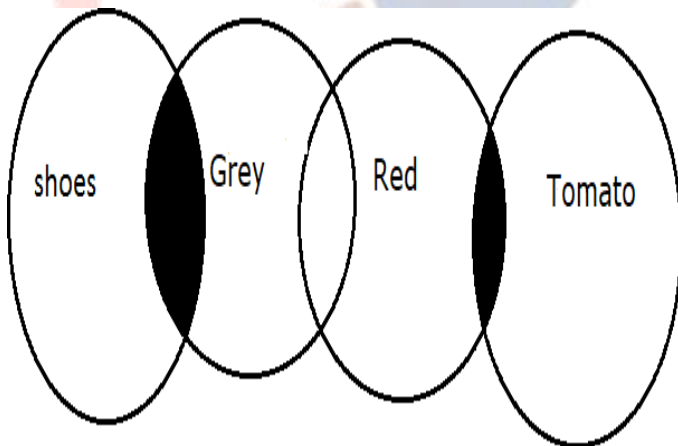
17) Answer: D

Explanation:



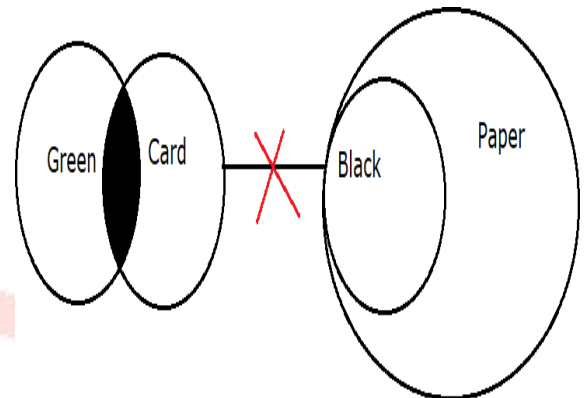
18) Answer: C

Explanation:

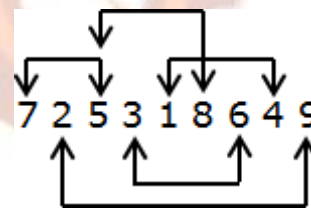


19) Answer: D

Explanation:



20) Answer: D



Direction (21-25)

21) Answer: B

22) Answer: A

23) Answer: C

24) Answer: D

25) Answer: A

Given statements, the age of H is 5 years more than

A. D is born just after A. E is older than D.

Year of Birth	Age	Person
1950	71	E/
1963	58	E/
1969	52	E/
1978	43	H
1983	38	A
1986	35	D
1993	28	

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1994	27	
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The difference between the ages of A and E is thrice the difference between the ages of A and B.

Only one position is left for E and B.

Year of Birth	Age	Person
1950	71	E
1963	58	
1969	52	
1978	43	H
1983	38	A
1986	35	D
1993	28	
1994	27	B

Age of C is 3 years more than the square of an odd number which is less than 32.

F is older than D.

Year of Birth	Age	Person
1950	71	E
1963	58	F/G
1969	52	G/F
1978	43	H
1983	38	A
1986	35	D
1993	28	C
1994	27	B

The difference between the ages of G and H is a square of a number. So, the final arrangement is-

Year of Birth	Age	Person
1950	71	E
1963	58	F
1969	52	G
1978	43	H
1983	38	A
1986	35	D
1993	28	C
1994	27	B

**Directions (26-30)**

Floor	Persons
8	P
7	V
6	T
5	Q
4	U
3	S
2	W
1	R

**Explanation:**

- Q lives on an odd numbered floor below sixth floor but not on the bottommost floor. Only two persons live between Q and P, who lives above Q.

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	Case 1	Case 2
Floor	Persons	Persons
8	P	
7		
6		P
5	Q	
4		
3		Q
2		
1		

2. The number of floors between Q and P is one more than the number of floors between Q and S who doesn't live adjacent to P. There is only one person living between P and T who lives immediately below V.

	Case 1	Case 2
Floor	Persons	Persons
8	P	
7	V	
6	T	P
5	Q	V
4		T
3	S	Q
2		
1		S

3. Not more than two persons live between U and R who lives immediately below W. Hence, case 2 gets eliminated.

	Case 1	<del>Case 2</del>
Floor	Persons	Persons
8	P	
7	V	
6	T	P
5	Q	V
4	U	T
3	S	Q
2	W	
1	R	S

26) Answer: E

27) Answer: C

28) Answer: B

29) Answer: A

30) Answer: D

Directions (31-35):

Number	Name
1	Ravi
2	Netra
3	Varun
4	Priya
5	Sita
6	Kavi
7	Meera
8	Ram

**Explanation:**

- Kavi was bought at an even numbered position after number 4.

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2. Only two persons bought the article between Kavi and Varun who bought immediately after Netra.

	Case 1	Case 2
Number	Name	Name
1		
2	Netra	
3	Varun	
4		Netra
5		Varun
6	Kavi	
7		
8		Kavi

3. Sita bought three persons after Netra and immediately after Priya.
4. Meera bought at an odd numbered position which is immediately before Ram who doesn't buy before Ravi. Hence, case 2 gets eliminated.

	Case 1	<del>Case 2</del>
Number	Name	Name
1	Ravi	Meera
2	Netra	Ram
3	Varun	
4	Priya	Netra
5	Sita	Varun
6	Kavi	Priya
7	Meera	Sita
8	Ram	Kavi

31) Answer: D

32) Answer: C

33) Answer: B

34) Answer: E

35) Answer: A