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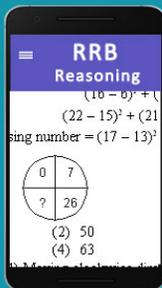


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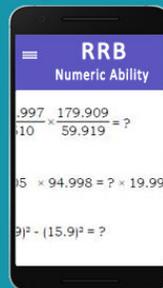


## RRB

### REASONING



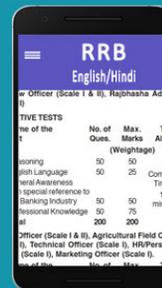
### NUMERIC ABILITY



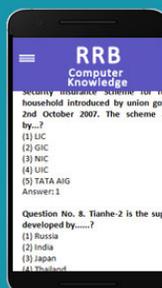
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## IBPS RRB PO : Mains Reasoning Memory Based : Practice Set

### REASONING ABILITY

**Directions (1-5):** Read the following information carefully to find given questions.

8 persons namely P, Q, R, S, W, X, Y and Z are sitting around a square table facing towards center. 4 of the persons are sitting in 4 corners while 4 of the persons are sitting in the middle of the sides. They have different ages. Those who sit in the corners having the ages multiple of 3. Those who sit at the middle of the sides having the ages multiple of 2.

P sits 2<sup>nd</sup> to the right of the one who has the age of 44. P is an immediate neighbour of the one who is 39 years old. Two persons sit between Q and having the age of 39. Q has not the age of 44. W sits 2<sup>nd</sup> to the left of Q. S is immediate right of the person having age of 15. Three persons sit between Z and the one having age of 15. The difference between the ages of Z and the one who is 2<sup>nd</sup> to the left of Z is 6. S is older than Z. Immediate neighbours of S are younger than S. Person having age 22 sits 2<sup>nd</sup> to the right of the person having age 10. Age of P is not 10. Y sits immediate left of the person having age of 22. Age of Y is 51. Age of R is greater than 20. Age of R is 24 ages more than X. Age of X is 3 years more than age of P.

1. Who among the following is of 9 years old?
  - (a) P
  - (b) S
  - (c) W
  - (d) X
  - (e) No one
2. Who sits 2<sup>nd</sup> right of the one who sits immediate left of the one whose age is 51 years old?
  - (a) R
  - (b) S
  - (c) Y
  - (d) Q
  - (e) W
3. How many persons sit between the one who is of 15 years old and the one who is of 12 years old, when counted anticlockwise from the one who is of 15 years old?
  - (a) One
  - (b) Two
  - (c) Three
  - (d) More than three
  - (e) None of these
4. Who among the following sits diagonally opposite to Z?
  - (a) X
  - (b) T
  - (c) S
  - (d) P
  - (e) W
5. Who among the following sits immediate right of S?
  - (a) P
  - (b) W
  - (c) Y
  - (d) R
  - (e) Z
6. Television is no longer the medium of entertainment at present. Mobile has taken the place of it among the youngsters as they used to spend most of their time on it. Which of the following can be hypothesized from the given statement?
  - (a) Television is still most popular among kids.
  - (b) People love to play games at mobile phone instead of involving in outdoor activities.
  - (c) Mobile has become the addiction for the younger generation.
  - (d) The older generation is not comfortable in using mobile phone for their entertainment.
  - (e) A proper treatment is required by a doctor to get rid of the addiction of the mobile phone.

7. Mosquito bites can be more than just annoying and itchy. They can make you really sick. Protect yourself and your family from mosquitoes during travelling. Because dangerous diseases like Zika, dengue, and chikungunya are spread by mosquitoes.

Which of the following can be assumed from the given statement?

- (a) Mosquitoes are more dangerous than any other animals in the world.
- (b) There is no treatment of diseases like Zika, dengue, and chikungunya that are spread by mosquitoes.
- (c) Forty percent of the world's population lives in an area at risk for dengue spread by mosquito and an estimated 390 million people per year are infected with the viruses.
- (d) There are more chances to get infected from mosquitoes while travelling rather than staying at home.
- (e) All travelers are suffering from diseases like Zika, dengue, and chikungunya spread by mosquitoes.

**Directions (8-11):** Read the following information and answer the questions that follow:

'A' walks 10 km north from point Q to reach point H. He takes a left turn and walks 9 km to reach point S. On the other side, 'B' walks 5 km north from point Y to reach point J. Point Y is 9 km either east or west from point Q. Next 'B' turns to his right and walks 4 km to reach point D. Also 'A' turned left from point S and reached point M after walking 5 km. M is in west direction from J.

8. What is the shortest distance between points M and J?
  - (a) 10 km
  - (b) 26 km
  - (c) 18 km
  - (d) 12 km
  - (e) Cannot be Determined
9. If 'B' walks 4 km east from point Y, then he is in which direction with respect to point D?
  - (a) South
  - (b) North-west
  - (c) North-east
  - (d) North
  - (e) South-west
10. What is the shortest distance between points Q and D?
  - (a)  $\sqrt{194}$  km
  - (b)  $\sqrt{198}$  km
  - (c)  $\sqrt{197}$  km
  - (d)  $\sqrt{196}$  km
  - (e)  $\sqrt{195}$  km
11. What is the direction of J with respect to Q?
  - (a) South
  - (b) North-west
  - (c) North-east
  - (d) North
  - (e) South-west

**Directions (12-16):** Read the following information carefully and answer the questions that follow:

Eight friends A, B, C, D, E, F, G and H born on 7th, 9th, 16th and 19th in March and July. Each one of them likes either a colour or a fruit. The persons who likes colours were born on that day which is a perfect square and the colour they likes are:- Yellow, Green, Red and Blue. The persons who were born on the day which denotes a prime numbers like fruits – Apple, Cherry, Mango and Banana.

The one who likes yellow colour was born on a day which is a perfect square in the month of march. No person was born between D and the one who likes yellow. D doesn't like colours.

Three persons were born between D and the one who likes Mango. There is no person born between the one who likes Mango and Blue colour. The number of people born after the one who likes blue colour is one less than the number of persons born before A. The one who likes Apple was born immediately before B. B do not like Mango. The number of people born before B is same as the number of persons born after G. Three persons were born between the one who likes Green and H. H and the one who likes Cherry was born in the same month but not in March. C was born after the one who likes Blue colour. E doesn't like any colour. F doesn't like Apple.

12. Who among the following likes green colour?

- (a)B (b)A (c)G  
(d)H (e)C

13. Who was born on 16<sup>th</sup> March?

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

14. Who among the following likes cherry?

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

15. Who was born on 19<sup>th</sup> July?

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

16. Who among the following likes red colour?

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

**Directions (17-21):** Each of the questions given below consists of a question and two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question.

- (a) If statement I alone is sufficient to answer the question, but statement II alone is not sufficient to answer the question.  
(b) If statement II alone is sufficient to answer the question, but statement I alone is not sufficient to answer the question.  
(c) If statement either I or II is sufficient to answer the question.  
(d) If both the statements I and II taken together are not sufficient to answer the question.  
(e) If both the statements I and II taken together are sufficient to answer the question.

17. What is the code for 'festival' in a code language?

- I. In that language 'lo ko ni sa' means 'Celebrate festival light bright' and 'jo to ni fa' means 'festival surprise candle shine'.  
II. In the same language 'bi ya la fa' means 'surprise high celebration delight' and 'ya la fa ni' means 'Surprise festival high delight'.

18. Six persons A, B, C, D, E and F are sitting around a circular table? Are they all facing the center?

- I. A sits second to the left of F. D sits second to the right of F. Both E and C are immediate neighbour of A. F is facing inside.  
II. B is second to the left of E. Only D is between B and E. C is to immediate left of F. B sits opposite to A. C is third to the left of D. E is second to the right of B and second to the left of C.

19. Six persons A, B, C, D, E, F have different heights. Who among the following is second tallest?

(I) F is taller than only one person. C is taller than A but shorter than E.

(II) A is taller than both F and B. E is not the tallest.

20. Who sits second to the left of Sparrow?

(I) Five birds myam, parrot, bulbul, crow and sparrow are sitting in a row in north direction. Myna sits at one of the extreme end. Parrot sits in between Myna and Bulbul.

(II) Only one person sits in between Bulbul and Sparrow. Sparrow does not sit to the left of Parrot.

21. Five persons P, Q, R, S, T live on five different floors such as bottom floor is numbered as 1 and top floor is numbered as 5. Who among the following lives on fourth floor?

(I) Three person lives between Q and T. R lives on third floor.

(II) Only one person lives between P and S. T does not live above R.

**Directions (22-26):** Study the following information carefully and answer the given questions.

Ten persons Q, R, S, T, U, V, W, X, Y and Z are going to four cities on four different dates i.e. 2<sup>nd</sup>, 4<sup>th</sup>, 7<sup>th</sup> and 9<sup>th</sup> of the month. Each person goes on different cities on different dates. Four cities are namely Pune, Chandigarh, Kochi and Patna, but not necessarily in the same order. At least one person goes on each date.

No person goes to Pune on 4<sup>th</sup> of the month. R does not go to any city on 2<sup>nd</sup> and 7<sup>th</sup> of the month. The persons, who go on 7<sup>th</sup> go to every city. Y goes to Kochi only with that person who goes on 7<sup>th</sup> of the month. Maximum four persons can go on the same date. Only one person goes to Chandigarh. Z does not go on 7<sup>th</sup> of the month. S does not go to Pune but go with U, who goes on 9<sup>th</sup> of the month. One of the person, who goes to Kochi, goes on even number date of the month, which is more than 3. R goes to Pune with Q, but does not go with X. X goes on that city in which most of the person are going. V does not go with S and Z but go with another person. Z goes to Pune. T does not go with U. W does not go on 9<sup>th</sup> and 2<sup>nd</sup> of the month. X goes on an odd number date of the month and no any person go on that date on which X goes in that city. One of the person, who goes to Pune go on even number date of the month. S goes on an odd number date of the month.

22. Who among the following person goes to Chandigarh?

- (a) R (b) V (c) X (d) T (e) Q

23. In which of the following city most of the persons are going?

- (a) Chandigarh (b) Pune (c) Kochi  
(d) Both Kochi and Pune (e) Patna

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

- (a) S (b) R (c) Y (d) X (e) T

25. Which of the following statement is true regarding U?

- (a) Only U goes to Chandigarh.  
(b) U goes on 7<sup>th</sup> of the month  
(c) None of the option is true  
(d) U goes to that city in which most of the person is going.  
(e) U goes with Z

26. Who among the following person goes on 2<sup>nd</sup> of the month?  
 (a) Z (b) Q (c) W (d) Y (e) S
27. Releasing the 'Road Accidents in India - 2016' report, the Road Transport and Highways Minister said more than 400 people lost their lives daily on roads in road accidents at night.  
 Which of the following could be the appropriate cause of the death in road accidents at night?  
 (a) Increase in population lead to more number of accidents.  
 (b) Many people prefer to travel in night rather than in day.  
 (c) Lack of proper lightning arrangement and undignified installation of traffic signals at many places.  
 (d) Traffic rules are stricter in day-time to avoid traffic congestion problem.  
 (e) Traffic violation is not a punishable offence in India.

**Directions (28-32):** Study the following information carefully to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

**Input: 97 nosy 21 snow cold 32 asian 46 65 viral 83 high**

Step I: 211 97 nosy snow cold asian 46 65 viral 83 high 322

Step II: asian 211 97 nosy snow 46 65 viral 83 high 322 cold

Step III: 463 asian 211 97 nosy snow viral 83 high 322 cold 654

Step IV: high 463 asian 211 97 snow viral 83 322 cold 654 nosy

Step V: 835 high 463 asian 211 snow viral 322 cold 654 nosy 976

Step VI: snow 835 high 463 asian 211 322 cold 654 nosy 976 viral

Step VI is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

**Input: peak 18 utility 76 emerge 27 beautiful 37 51 visible 36 know**

28. How many steps would be needed to complete the arrangement?  
 (a) X (b) VIII (c) V  
 (d) VI (e) None of these
29. What will the addition of the numbers which is fifth from the left end in step II and 5<sup>th</sup> from the right end in step IV?  
 (a) 312 (b) 210 (c) 162  
 (d) 165 (e) None of these
30. Which of the following would be the difference of the numbers which is 2<sup>nd</sup> from left end in step IV and 2<sup>nd</sup> from right end in Step II?  
 (a) 290 (b) 83 (c) 193  
 (d) 101 (e) None of these
31. Which of the following element will be 6<sup>th</sup> from the left of 3<sup>rd</sup> from the right end in step V?  
 (a) 181 (b) beautiful (c) 373  
 (d) know (e) None of these
32. In Step IV, which of the following word/number would be on 4<sup>th</sup> position (from the left end)?  
 (a) visible (b) 181 (c) 97  
 (d) utility (e) None of these

33. Education has been a problem in our country and lack of it has been blamed for all sorts of evil for hundreds of years. Half the country does not even today have access to proper education, and only a small fraction can go to university. Which of the following substantiates the given statement?  
 (a) Our education system today encourages excellence – in students, in teachers, throughout the system.  
 (b) Our new education system creates entrepreneurs, innovators, artists, scientists, thinkers and writers who can establish the foundation of a knowledge based economy.  
 (c) India needs to embrace internet and technology if it has to teach all of its huge population, the majority of which is located in remote villages.  
 (d) Our education system is geared towards teaching and testing knowledge at every level as opposed to teaching skills.  
 (e) We may have the most number of engineering graduates in the world that has been translated into much technological innovation here.

**Directions (34-38):** Study the following information carefully and answer the given questions:

Seven cars A, B, C, D, E, I, H are parked in a linear row facing north in such a way that no two cars parked with each other of according to alphabetical order (for ex- A is not parked with B, B is not parked with A and C and so on).

Some cars either of Petrol or some are Diesel variant. I is third to the left of A. More than three cars are parked between the petrol cars. E is second to the right of B. H is a diesel car and parked at one of the extreme end. C is a diesel car and parked forth to the right of D. All the cars are arranged in ascending order according to the distance covered by them from left to right. Car B covers 27km and Car C cover 40km. H is to the right of E. I is of Diesel variant car and no petrol variant car parked next to it.

34. Which among the following are petrol cars?  
 (a) D and E (b) A, I, B (c) A and D  
 (d) A, I, D, B (e) None of these
35. What can be the distance covered by car I?  
 (a) 45km (b) 63km (c) 17km  
 (d) 31km (e) 25km
36. Which among the following cars are parked at extreme ends?  
 (a) D, E (b) H, B (c) H, D  
 (d) D, B (e) None of these
37. Which among the following car is parked immediate left of car C?  
 (a) E (b) H (c) D  
 (d) A (e) None of these
38. How many cars are parked in between car B and car H?  
 (a) Four (b) Three (c) Five  
 (d) Two (e) None of these
39. Bihar Chief Minister Nitish Kumar on Monday launched a State-wide campaign as one of the major step for women empowerment to abolish **dowry**, stated it as major drawback of our society.  
 Is this decision sufficient to get rid from this custom, which is running from long time in Bihar?



Which of the following will be best suited option to get rid from dowry with their explanation?

- (a) Yes, as State govt. Is launching state wide campaign, it will impact the whole society of Bihar.
- (b) No, It will not impact too much untill thinking of people will changed and dowry will be declared as illegal and punishable offence in Bihar.
- (c) Yes, as many NGO run by women will also come against dowry.
- (d) No, It has been set in nerves of Bihar's society as one of the necessities of the marriage.
- (e) Yes, As other states will also follow Mr. Kumar step to abolish dowry from society.

40. **Statement:** Whole world looking at India, says Modi. India's growth presents a win-win partnership for both India and the U.S., Prime Minister Narendra Modi told while adressing the media gathering ahead of his first meeting with President Donald Trump.

- (I) The talks between the Trump and Modi would be broad-ranging and seek to advance common priorities.
- (II) Prime Minister Narendra Modi would only attend the UN 'Vesak Day' celebrations and no bilateral agreements will be signed during his visit to Sri Lanka.
- (III) US President Donald Trump and Prime Minister Narendra Modi forging a strong personal bond, and advancing a solid bilateral relationship.
- (IV) The visit provides an opportunity to strengthen the US-India strategic partnership, which the President views as being critical in Asia-Pacific and globally.

Which of the following is not in line with the given statement?

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

