

**UIIC Assistant Reasoning TEST-1****REASONING**

- How many such digits are there in the number 5314679 each of which is as far away from the beginning of the number as when the digits are rearranged in descending order within the number ?  
(1) None (2) One (3) Two (4) Three (5) More than three
- If '+' means '-', '-' means 'x', 'x' means '+' and '+' means '+', then what is the value of  $9 - 7 + 85 \times 17 \div 15$  ?  
(1) 73 (2) 83 (3) 79 (4) 68 (5) None
- Each vowel in the word MOUNTAIN is replaced by the next letter in the English alphabet and each consonant is replaced by the previous letter in the English alphabet, which of the following will be the fourth letter to the left of seventh from the left end ?  
(1) T (2) V (3) N (4) P (5) None
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?  
(1) 56 (2) 35 (3) 49 (4) 42 (5) 51
- 'MP' is related to 'HK' in the same way as 'HK' is related to  
(1) CE (2) CF (3) CG (4) DG (5) None
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?  
(1) Jasmine (2) Rose (3) Dahlia (4) Marigold (5) Lotus
- 'Jackal' is related to 'Carnivorous' in the same way as 'Goat' is related to  
(1) Omnivorous (2) Carnivorous (3) Herbivorous (4) Multivorous (5) None
- If 'blue' is called 'red', 'red' is called 'green', 'green' is called 'black' and 'black' is called 'white', what is the colour of grass ?  
(1) Red (2) Black (3) White (4) Green (5) None
- In a certain code, RAID is written as %\*#\$. RIPE is written as %\*@C. How is DEAR written in that code ?  
(1) @C#% (2) \$@#% (3) @\$#% (4) \$C#% (5) None
- 'Radish' is related to 'Root' in the same way as 'Brinjal' is related to  
(1) Fruit (2) Stem (3) Flower (4) Root (5) None

**Directions (Q. Nos. 11-15):** Each of the questions below consists of a question and two statements numbered I and II are 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 the answers

- if the data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question.
  - if the data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question.
  - if the data either in Statement I alone or in Statement II alone are sufficient to answer the question.
  - if the data even in both the Statements I and II are not sufficient to answer the question.
  - if the data in both the Statements I and II together are necessary to answer the question.
- How many children are there in the group ?  
I. Sangita has scored more marks than 12 children in the group.  
II. Reena has scored less than Sangita.
  - What is the value of  $36\$4*8$  ?  
I. P\$Q means divide P by Q.  
II. A\*B means multiply A by B.
  - What is Samir's rank from the top in the class of 30 students ?  
I. Sudhir, who is four ranks above Samir, is fifteenth in rank from the bottom.

- II. Samir is three ranks below Neeta, who is eighteenth from the bottom.
14. Who among L, N, F, G and Q was the first to reach the college ?  
I. F reached before L and G but not before Q, who was not the first to reach.  
II. N reached before F and G and L reached after F.
15. In the code language, what is the code for 'fat' ?  
I. In the code language, 'she is fat' is written as 'he ra ca'.  
II. In the same code language, 'fat boy' is written as 'ra ka'.

**Directions (Q. Nos. 16-20)** Study the following information carefully and answer the questions given below.

P, Q, R, S, T, V and W are seven friends. Each of them likes a particular fruit, viz. Apple, Banana, Pear, Guava, Orange, Mango and Watermelon and each of them has a favourite city, viz. Mumbai, Pune, Delhi, Kolkata, Chennai, Hyderabad and Cochin. The choices of fruit and favourite city of the seven friends are not necessarily in the same order.

Q likes Mango and his favourite city is Chennai. The one whose favourite city is Pune likes Watermelon. T's favourite city is Kolkata. R likes Guava and his favourite city is not Mumbai. W's favourite city is Cochin and he does not like either Banana or Pear. The favourite city of the one who likes Orange is Hyderabad. T does not like Pear. P's favourite city is neither Pune nor Hyderabad. S does not like Watermelon.

16. Who likes Apple ?  
(1) W (2) T (3) V (4) P (5) Data inadequate
17. Which fruit does P like ?  
(1) Apple (2) Orange (3) Pear (4) Watermelon (5) None
18. Which is R's favourite city ?  
(1) Mumbai (2) Pune (3) Hyderabad (4) Delhi (5) None
19. Which of the following combinations of Person-Fruit-City is incorrect?  
(1) R-Guava-Kolkata (2) V-Watermelon-Hyderabad  
(3) T-Banana-Cochin (4) S-Guava-Delhi (5) All are incorrect
20. Which is V's favourite city?  
(1) Hyderabad (2) Pune (3) Mumbai (4) Data inadequate (5) None

**Directions (Q. Nos. 21-25)** In the following questions, the symbols @, #, \$, % and & are used with different meanings as follows

'P @ Q' means 'P is neither smaller nor equal to Q'.

'P # Q' means 'P is not greater than Q'.

'P \$ Q' means 'P is not smaller than Q'.

'P % Q' means 'P is neither greater nor smaller than Q'.

'P & Q' means 'P is neither greater nor equal to Q'.

In each of the following questions assuming the given statements to be true, find out which of the two conclusions I and II given below them is/are definitely true.

Give answer

- (1) if only conclusion I is true  
(2) if only conclusion II is true  
(3) if either conclusion I or conclusion II is true  
(4) if neither conclusion I nor conclusion II is true  
(5) if both conclusions I and II are true
21. Statements : G#H, H\$K, K@M  
Conclusions : I. M # G II. G & M
22. Statements : F \$ D, H # M, M % D  
Conclusions : I. F \$ H II. F @ H
23. Statements : R&M, M#L, L\$Q  
Conclusions : I. M % Q II. M @ Q



24. Statements : F#R, Q\$R, Q&M  
 Conclusions : I. F # Q II. R & M
25. Statements : D&T, R#T, R\$M  
 Conclusions : I. M & T II. M % T

**Directions (Q. Nos. 26-30):** Study the following information carefully and answer the questions given below.

An organization wants to recruit System Analysts. The following conditions apply. The candidate must

- (i) be an engineering graduate in Computer/IT with at least 60% marks.
- (ii) have working experience in the field of Computer at least for 2 years after acquiring the requisite qualification.
- (iii) have completed minimum 25 years and maximum 30 years of age as on 1.12.2012.
- (iv) be willing to sign a bond for Rs.50000.
- (v) have secured minimum 55% marks in selection test. However, if a candidate fulfills all other conditions except
  - (A) At (i) above, but is an Electronics Engineer with 65% or more marks, the case is to be referred to the General Manager (GM)-IT.
  - (B) At (iv) above, but has an experience of at least 5 years as a Software Manager, the case is to be referred to the VP.

In each question below, detailed information of candidate is given. You have to carefully study the information provided in each case and take one of the following courses of actions based on the information and the conditions given above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01.12.2012. You have to indicate your decision by marking answers to each question as follows. Mark answer

- (1) if the case is to be referred to VP
  - (2) if the case is to be referred to GM
  - (3) if the data provided is not sufficient to take a decision
  - (4) if the candidate is to be selected
  - (5) if the candidate is not to be selected
26. Ms. Sunceta is an IT Engineer with 60% marks at graduation as well as in selection test. She is working as a Software Engineer for last 3 years after completing Engineering degree and has completed 27 years of age. She is willing to sign the bond of Rs. 50000.
27. Rakesh Rao is a Computer Engineer graduate and thereafter is working as a Software Manager for past 6 years. He has secured 72% marks at graduation and 67% marks in selection test. His date of birth is 5th December 1983. He is not willing to sign the bond for Rs. 50000.
28. Ram Kumar is an Engineering graduate in Computers with 78% marks passed out in 2006 at the age of 23 years. Since then he is working as a Software Manager in an engineering firm. He doesn't want to sign the bond for Rs. 50000. He has cleared the selection test with 72% marks.
29. Nishant is an Electronics Engineer passed out in June 2009 at the age of 22 years. Since then he is working as a Programmer in a software company. He has passed the selection test with 66% marks and is willing to sign the bond.
30. Kalyani is an Engineer with 72% marks in Telecommunication. She has just completed 27 years of age. She has cleared the selection test with 59% marks. She is willing to sign the bond.

**Directions (Q. 31-35):** In each of the questions below are given four statements followed by three conclusions numbered I, II & III. You have to take the given statements to be true even if they seem to be at variance from 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.
31. **Statements** : All chillies are garlies. Some garlies are onions.  
All onions are potatoes.  
No potato is ginger.
- Conclusions** : I. No onion is ginger. II. Some garlies are potatoes.  
III. Some chillies are potatoes.
- 1) Only I follows 2) Only II follows 3) Only I & II follow  
4) Only I & III follow 5) All follow
32. **Statements** : Some keys are locks.  
Some locks are numbers.  
All numbers are letters.  
All letters are words.
- Conclusions** : I. Some locks are letters. II. Some words are numbers.  
III. All numbers are words.
- 1) Only I & II follow 2) Only II & III follow 3) Only I & III follow  
4) Only I & either II or III follow 5) All follow
33. **Statements** : Some windows are doors.  
All doors are walls.  
No wall is roof.  
All roofs are shelters.
- Conclusions** : I. Some windows are walls. II. No wall is shelter.  
III. No door is shelter.
- 1) None follows 2) Only II & III follow 3) Only I & III follow  
4) Only I follows 5) None
34. **Statements** : All bottles are jars.  
Some jars are pots.  
All pots are taps. No tap is tank.
- Conclusions** : I. No pot is tank. II. Some jars are tanks.  
III. Some bottles are pots.
- 1) Only I & III follow 2) Only I & II follow 3) Only II & III follow  
4) All follow 5) None
35. **Statements** : Some fish are crocodiles.  
Some crocodiles are snakes.  
No snake is tortoise.  
All tortoises are frogs.
- Conclusions** : I. No snake is frog. II. Some snakes are fish.  
III. Some fish are frogs.
- 1) None follows 2) Only I & II follow 3) Only II & III follow  
4) Only I & III follow 5) None

**Directions (Q.36-40):** Study the following information carefully to answer these questions:

Eight friends J, K, L, M, N, O, P and Q are sitting around a circle facing the center. J is not the neighbour of N, L is third to the right of K, Q is second to the left of N who is next to the right of L, O is not the neighbour of N or K and is to the immediate left of P.

36. Which of the following is the correct position of L ?  
1) To the immediate right of N 2) To the immediate right of Q  
3) To the immediate left of J 4) To the immediate left of Q 5) None
37. Which of the following pair of persons represent O's neighbours ?  
1) L & N 2) P & K 3) M & P 4) N & P 5) None
38. Which of the following groups has the first person sitting between the other two persons ?  
1) PKJ 2) JQL 3) QNL 4) LMN 5) None

39. Who is to the immediate right of K ?  
1) J                      2) P                      3) Q                      4) Cannot be determined                      5) None
40. Who is to the immediate left of O ?  
1) P                      2) L                      3) Q                      4) J                      5) None

Answer Key

1.1 2.1 3.2 4.3 5.2 6.5 7.3 8.2 9.4 10.5 11.4 12.5 13.3 14.1 15.5  
16.1 17.3 18.4 19.5 20.2 21.4 22.1 23.4 24.5 25.3 26.4 27.1 28.1 29.3 30.5  
31.3 32.5 33.4 34.5 35.1 36.2 37.3 38.5 39.1 40.5

