



<u>Directions for questions 1 to 4:</u> These questions are based on the following information:

Sushmita went to a restaurant to have dinner with her friend. Her friends asked her to order three or four dishes in total of the dishes he has finalized. The friend has finalized Tomato and sweet corn in soups. He has also finalized four five main dishes Grilled chicken, Mashed Potatoes, Arabian Pasta, Fish Fried and Marinated Lamb. He gives Sushmita certain preference to order the food.

- 1. Both the soups cannot he ordered together
- 2. She can order Arabian Pasta if and only if she orders Fried Fish.
- 3. If she does not order Fried Fish, she will not order Grilled Chicken.
- 4. If she orders Sweet Corn Soup. she will not order-Mashed Potatoes or Marinated Lamb.
- 5. If she does not order marinated lamb, she will order Arabian pasta.
- If she order three dishes out of which two are Fried fish and Arabian Pasta. Which of the following cannot he the third dish.
 (a) Tomato Soup (b) Corn Soup
 (c) Grilled Chicken (d) Cannot be determined
- If she does not order Fried Fish or Mashed Potatoes, how many different possibilities of ordering food exists'?
 (a) 0
 (b) 1
 (c) 2
 (d) 3
- 3. If she orders four items out of which one is Sweet Corn Soup, which of these cannot be one of the ordered dishes?
 - (a) Mashed Potatoes only
 - (b) Marinated Lamb only
 - (c) Mashed Potatoes and Marinated Lamb
 - (d) Tomato Soup, Mashed Potatoes and Marinated Lamb.
- 4. She ordered 4 dishes out of which two are Sweet Corn Soup and Arabian Pasta. How many different combinations of ordering are there for the remaining two dishes?
 (a) 1 (b) 2 (c) 3 (d) 4

<u>Directions for questions 5 to 6:</u> These questions are based on the following information:

The Vice Chancellor of a University wants to select a team of five member organizing committee for the next convocation of the University to be held in March 2012. The committee members are to be selected from five shortlisted professors (Prof. Ahuja, Prof. Banerjee, Prof. Chakravarty, Prof. Das and Prof. Equbal) and four short listed students (Prakash, Queen, Ravi and Sushil). Some conditions for selection of the committee members are given below:

- I. Prof. Ahuja and Sushil have to be together
- II. Prakash cannot be put with Ravi
- III. Prof. Das and Queen cannot go together
- IV. Prof. Chakravarty and Prof. Equbal have to be selected
- V. Ravi cannot be selected with Prof. Banerjee

- 5. If two members of the committee are students and prof. Das is one of the members of the committee, who are the other committee members?
 - (a) Prof. Banerjee, Prof. Chakravarty, Prakash and Queen
 - (b) Prof. Ahuja, Prof. Banerjee, Sushil and Prakash
 - (c) Prof, Chakravarty, Prof. Equbal, Prakash and Sushi
 - (d) None of the above
- 6. In case Prof. Ahuja and Prof. Chakravarty are member, who are the other members who cannot, be selected fi the committee?
 - (a) Prof. Banerjee, Prof. Equbal and Sushil
 - (b) Prof. Equbal, Sushil and Prakash
 - (c) Prof. Equbal, Prakash and Queen
 - (d) None of the above

<u>Directions for questions 7 to 11:</u> These questions are based on the following information:

At Pioneer Career Amesterdam six students Andy, bobby, Philips, Neel, Harry and Steve aspire to be a member of organization team of new year party. The team should have at least two people with following conditions.

- i. If the size of the team is less than 4 then Neel and Steve cannot be selected together.
- ii. II if Bobby is selected then Neel should also be selected while Harry should be rejected.
- iii. If Andy is selected then exactly one from Bobby and Philips should also be selected.
- iv. If Philips is selected then Harry should also be selected while Steve should be rejected.
- 7. If the team selected is of the maximum possible size, then who is/are definitely not selected in the team?
 - (a) Andy (b) Neel & Bobby (c) Bobby & Harry (d) None of these
- 8. If Bobby and Steve are not selected in the team then who should definitely be selected?(a) Philips (b) Harry (c) Neel (d) Andy
- 9. What could be the strength of team if Philips and Harry are always part of the team?
 (a) 2 (b) 3 or 4 (c) 2 or 3 (d) None
- 10. Which of the following could never be part of same team?
 - (a) Andy Neel (b) Bobby & Philips
 - (c) Neel & Steve (d) None of these
- 11. If team size is 3 then which one of the following cannot be a part of the team?(a) Bobby(b) Andy(e) Steve(d) None

<u>Directions for questions 12 to 14:</u> These questions are based on the following information:

The Manager of a ABC Pvt. Ltd. wishes to select four members of a project head-HR committee as representatives to meet with the Company's Manager The faculty - HR committee consists of exactly four faculty members - K, L, M and N - and four HR - P, Q,

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R and S. The Manager can select any of the committee members as representatives as long as he observes the following restrictions:

- I. The group of four representatives must consist of exactly two faculty members and two HR.
- II. Either K or L must be one of the representatives, but K and L cannot both be representatives.
- III. If P is a representative, M must also be representatives.
- IV. If R is a representative, L cannot be representatives.
- 12. If L, N and Q are representatives, which of the following must also be a representative?
 (a) M
 (b) S
 (c) P
 (d) R
- 13. If P is a representative, which of the following cannot also be a representative?(a) N(b) M(c) Q(d) R
- 14. If L is a representative, which of the following can be the other three representatives?
 - (a) N. S, P (b) M, Q, P
 - (d) K, Q, S (c) M, Q, R

<u>Directions for questions 15 to 17:</u> These questions are based on the following information:

A Committee of 4 is to be selected from the 9 eligible candidates. The Committee has the following positions: General Secretary, Sport Head, Magazine Head and Treasurer. Conditions for selection of the committee of 4 are:

- I. Brijmohan and Natalia should be selected together, but Brijmohan can either be selected as Sports Head or Treasurer.
- II. If Vineet, Natalia or Devika are to be selected, then they should always be selected as Sports Head.
- III. Surendar and Devika should not be in the same committee.
- IV. Yatin and Tushar should always be selected together Tushar can never be selected as Treasurer.
- V. If Jessica is selected them Surendar cannot be selected.
- VI. Tushar and Devika should be selected together.
- VII. If Andre or Yatin is selected, then they should be selected only as General Secretary.
- 15. Among the below mentioned groups, if one person is removed from the group, then which group becomes a perfect committee according to the conditions started above?
 - (a) Natalia, Yatin, Devika, Andre and Brijmohan
 - (b) Vineet, Surendar, Yatin, Tushar and Devika
 - (c) Natalia, Brijmohan, Yatin, Tushar and Jess Surendar
 - (d) Natalia, Surendar, Brijmohan, Andre,
- 16. Who among the following, if selected in the committee, will always be a Magazine Head?(a) Jessica(b) Brijmohan(b) Tushar(d) Devika
- 17. Who among the 9 candidates cannot be selected in any committee?(a) Vineet(c) Natalia

(b) Devika

<u>Directions for questions 18 to 20:</u> These questions are based on the following information:

(d) Brijmohan

A group of three or four has to be selected from seven persons. Among the seven are two women: Fiza and Kavita, and five men: Ram, Shyam, David, Peter and Rahim. Ram would not like to be in the group. If Shyam is also selected. Shyam and Rahim want to be selected together in the group. Kavita would like to be in the group only if David is also there. David, if selected, would not like Peter in the group. Ram would like to be in the group only if Peter is also there. David insists that Fiza be selected in case he is there in the group.

- 18. Which of the following is a feasible group of three?(a) David, Ram and Rahim
 - (b) Peter, Shyam and Rahim
 - (c) Kavita, David and Shyam
 - (d) Fiza, David and Ram
- 19. Which of the following is a feasible group in four?(a) Ram, Peter, Fiza and Rahim
 - (b) Shyam, Rahim, Kavita and David
 - (c) Shyam, Rahim, Fiza and David
 - (d) Fiza, David, Ram and Peter
- 20. Which of the following statements is true?(a) Kavita and Ram can be part of a group of four
 - (b) A group of four can have two women(c) A group of four can have all four men
 - (d) None of these

<u>Directions for questions 21 to 25:</u> Answer the questions on the basis of the information given below:

K, L, M, N, P, Q, R, S, U and W are the only ten members in a department. There is a proposal to form a team from within the members of the department, subject to the following conditions:

- 1. A team must include exactly one among P, R and S.
- 2. A team must include either M or Q, but not both.
- 3. If a team includes K, then it must also include L, and vice versa.
- 4. If a team includes one among S, U and W, then it must also include the other two.
- 5. L and N cannot be members of the same team. L and U cannot be members of the same team.
- 6. The size of a team is defined as the number of members in the team.
- 21. What could be the size of a team that includes K? (a) 2 or 3 (b) 2 or 4 (c) 3 or 4 (d) Only 4
- 22. In how many ways a team can be constituted so that the team includes N?(a) 2 (b) 3 (c) 4 (d) 6
- 23. What would be the size of the largest possible team?
 - (a) 8 (b) 7 (c) 6 (d) 5
- 24. Who can be a member of a team of size 5? (a) K (b) L (c) M (d) P



25. Who cannot be a member of a team of size 3? (a) L (b) M (c) N (d) P

<u>Directions for questions 26 to 29:</u> Answer the questions on the basis of the information given below:

Three women — R, S, and T, two men — U, V and four children — W, X, Y and Z are going for a game. They have a total of nine seats for the game, but the seats are in different sections of the area. They have a group of three adjacent seats in each section. For the game, the nine people must divide into groups of three according to the following restrictions:

- i. No adult of the same sex can be together in any group.
- ii. W cannot be in R's group.
- iii. X must be in a group with S or U or both.
- 26. If R is the only adult in one group, the other members of her group must be:
 (a) W and X
 (b) W and Y
 (c) X and Y
 (d) Y and Z
- 27. If R and U are two of the three people in the first group, who can be in the second and third Groups, respectively?
 - (a) S, T, W; V, Y, Z (b) S, W, Z; T, V, X
 - (c) S, X, Y; T, W, Z
 - (d) T, V, W; S, Y, Z
- 28. Which of the following pairs of people can be in the same group as W?

(a) R and Y	(b) S and U
(c) S and V	(d) U and V

- 29. Which of the following must be true?
 - (a) One of the women is in a group with two children
 - (b) One of the two men is in group with W
 - (c) R is in a group with a man
 - (d) T's group includes exactly one child

<u>Directions for questions 30 to 34:</u> Study the following information carefully and answer the questions given below it:

From amongst five Delhities A, B, C, D and E, four Tamilian G, H, K and L and six Maharashtrian M, N, 0, P, Q and R, some teams are to be selected. Of these, A, B, G, H, 0, P and Q are software programmers and the rest are managers. The formation of teams is subject to the following conditions: Wherever there is a manager from Delhi, there will be no software programmer from Maharashtra. Wherever there is a Tamilian manager, there will be no software programmer from Delhi. There shall not be more than two managers from Maharashtra in any team.

30. If the team consists of two Delhities, three software programmers from Maharashtra and two Tamilian, the members of the team are?(a) A, B, O, P, Q, G, H

- (b) C, D, K, L, O, P, Q
- (c) C, D, O, P, Q, G, H (d) D, E, G, H, O, P, Q

- If the team consists of two Delhities, one Tamilian and four Maharashtrian, all the following teams are possible except?
 (a) A,B,G,M, N, O, P
 - (a) A, B, G, M, N, O, P, Q (b) A, B, H, M, O, P, Q (c) A, B, H, M, R, P, Q (d) A, B, K, N, R, P, Q
- 32. If the team consists of two Delhities, two software programmers from Maharashtra and two Tamilian, the following teams are possible except?
 (a) A, B, G, H, O, Q
 (b) A, B, G, H, P, Q
 (c) A, B, K, L, P, Q
 (d) O, P, G, H, A, B
- 33. If the team consists of three Delhities, two Tamilian managers and two Maharashtrian, the members of the team are could be
 (a) A, B, C, K, L, M, R
 (b) B, C, D, K, L, N, R
 - (c) C, D, E, K, L, M, N (d) C, D, E, K, L, P, R
- 34. If the team consists of two Delhities, two Tamilian and two Maharashtrian, the members of the following teams are possible except
 - (a) A, B, G, H, O, P (b) A, B, G, H, M, N
 - (c) C, E, K, L, N, R damakers.com (d) C, D, K, L, O, P

<u>Directions for questions 35 to 40:</u> Study the following information carefully and answer the questions given below it:

During one week, a human resource director conducts five interviews for a new job, one interview per day, Monday through Friday. There are six candidates for the job Ram, Shyam, Trilochan, Usha, Veena, and Kishore. No more than two candidates are interviewed more than once. Neither Shyam nor Usha nor Veena is interviewed more than once, and no other candidate is interviewed more than twice. The schedule of interview is subject to the following conditions: If Trilochan is interviewed, then Trilochan must be interviewed on both Monday and Friday. If Shyam is interviewed, then Usha is also interviewed, with Shyam's interview taking place either than Usha's interview. If Ram is interviewed twice, then Ram's second interview takes place exactly two days after Ram's first interview. If Veena is interviewed, then Kishore is interviewed twice, with Veena's interview taking place after Kishore's first interview and before Kishore's second interview. If Usha is interviewed, then Ram is also interviewed, with Usha's interview taking place on a day either immediately before or immediately after a day on which Ram is interviewed.

- 35. Which of the following could be a complete and accurate °' list of candidates the human resources director interviews and the days on which those interviews take place?
 - (a) Monday: Shyatn: Tuesday: Usha; Wednesday: Ram; Thursday: Kishore; Friday Ram;



- (b) Monday: Shyam; Tuesday: Kishore; Wednesday: Rant; Thursday: Kishore; Friday Usha;
- (c) Monday: Trilochan; Tuesday: Ram; Wednesday: Shyam; Thursday: Ram; Friday Trilochan;
- (d) Monday: Trilochan; Tuesday: Rain; Wednesday: Kishore; Thursday: Veena; Friday: Trilochan;
- 36. If Veena is interviewed on Tuesday, then which one of the following MUST BE thie?
 - (a) Trilochan is interviewed on Friday
 - (b) Usha is interviewed on Thursday
 - (c) Ram is not interviewed
 - (d) Shyam is not interviewed
- 37. If Kishore is not interviewed, then which one of the following MUST BE true?
 - (a) Ram is interviewed on Thursday
 - (b) Shyam is interviewed on Tuesday
 - (c) Trilochan is interviewed on Monday
 - (d) Usha is interviewed on Wednesday
- 38. If Shyam is interviewed, then which one of the following could be true?
 - (a) Kishore is interviewed on both Tuesday and Wednesday
 - (b) Usha is interviewed on Monday
 - (c) Veena is interviewed on Tuesday
 - (d) Shyam is interviewed on Thursday
- 39. If neither Usha nor Trilochan is interviewed, then each of the following MUST BE true EXCEPT:
 - (a) Ram is interviewed on Monday
 - (b) Ram is interviewed on Thursday
 - (c) Veena is interviewed on Tuesday
 - (d) Kishore is interviewed on Wednesday
- 40. If both Usha and Veena are interviewed, then which one of the following is a complete and accurate list of the days on which Kishore could be interviewed?(a) Monday, Friday
 - (a) MONUAY, FILLAY
 - (b) Tuesday, Thursday
 - (c) Monday, Wednesday, Friday
 - (d) Tuesday, Wednesday, Thursday

<u>Directions for questions 41 to 47:</u> Study the following information carefully and answer the questions given below it:

A mail order company sell; packages of sauces, each containing three jars of sauces. The available flavours are: tomato, red chili, green chili, oniot sauce and Mayonnaise. Each jar contains exactly one flavou of sauces. Each package must conform to the following rules

- i. Each package must contain either two or three differen flavours of sauces.
- ii. A package containing any red chili sauces must also contain least one jar of tomato.
- iii. A package containing any tomato sauces must also contain at least one jar of red chili.
- iv. Onion sauces and Mayonnaise sauces cannot be packed in the same package.
- v. A package containing any green chili sauces must also contain at least one jar of mayonnaise, but a

package, containing mayonnaise sauces need not contain greet chili sauces.

- 41. Which of the following is an acceptable package?
 - (a) One jar of onion sauce, one jar of green chili and one jar of red chili.
 - (b) One jar of red chili, one jar of green Chilly and one jar of tomato
 - (c) Two jars of green chili and one jar of mayonnaise
 - (d) Three jars of onion sauce
- 42. An acceptable package cannot contain which of the following combinations of sauces.
 - (a) Tomato and onion sauce
 - (b) Onion sauce and mayonnaise
 - (c) Red chili and onion sauce
 - (d) Red chili and Tomato
- 43. Which of the following could be packed with a jar .1' green chili to make an acceptable package?(a) One jar of onion sauce and one jar of red chili
 - (b) One jar of tomato and one jar of red chili
 - (c) Two jars of mayonnaise
 - (d) Two jars of Red chili
- 44. A jar of which of the following must be packed with a jar of red chili and a jar of onion sauce to make an acceptable package?(a) Tomato(b) Red chili
 - (c) Green chili (d) Onion sauce
- 45. Which of the following pairs of sauces could be packed with a jar of red chili to make an acceptable package?
 - (a) One jar each of red chili and green chili
 - (b) One jar each of tomato and green chili
 - (c) Two jars of Red Chilly
 - (d) Two jars of Tomato
- 46. Which of the following cannot be two of the three jam of sauces in an acceptable package?
 - (a) One jar of green Chilly and one jar of onion sauce
 - (b) One jar of tomato and one jar of Red chili
 - (c) Two jars of Red Chilly
 - (d) Two jars of Tomato
- 47. An acceptable package cannot contain two jars of:
 - (a) Red Chilly (b) Tomato
 - (c) onion (d) mayonnaise

<u>Directions for questions 48 to 52:</u> Study the following information carefully and answer the questions given below it:

Prof. Das wants to make his team for his next project. The conditions are as follows-

- i. The team should have 5 students
- ii. The team must have two boys and 3 girls
- iii. Name of boys is Aman, Tsang, and Deepak
- iv. Name of girls is Helena, Revika, Miley, Nicole and Olive
- v. Tsang and Olive cannot go together.
- vi. Miley and Nicole cannot be selected together.
- vii. Revika and Olive cannot go together
- viii. Aman will always be selected in the team



- 48. Who will be definitely selected in the team?(a) Tsang(b) Miley(c) Helena(d) None
- 49. How many different Teams can be formed? (a) 6 (b) 21 (c) 24 (d) None
- 50. If Olive is selected then who will be definitely selected in the team?(a) Tsang(b) Miloy(c) None

(a) Tsang (c) Deepak (b) Miley (d) None

51. If Olive is not selected then who will be definitely selected in the team?

(a) Tsang (b) Revika (c) Deepak (d) None

- 52. If Deepak and Nicole is selected then who all will be definitely selected in the team?
 - (a) Aman, Deepak, Helena, Revika and Nicole
 - (b) Aman, Deepak, Helena, Miley and Nicole
 - (c) Aman, Deepak, Helena, Olive and Nicole
 - (d) None of these

<u>Directions for questions 53 to 54:</u> Study the following information carefully and answer the questions given below it:

A weekly television show routinely stars six actors J, K, L, M, N, and O. Since the show has seen on the air for a long time,, some of actors are good friends and some do not get along at all. In an effort to keep peace, the director sees to it that friends work together and enemies do not. Also, as the actors have become more popular, some of them need time off to do other projects. To keep the schedule the director has a few things she must be aware of:

- J will only work on episodes on which M is working.
- II. N will not work with K under any circumstances.
- III. M can only work every other week, in order to be free to film a movie
- IV. At least three of the actors must appear in every weekly episode.
- 53. In a show about L getting a job at the same company J already works for and K used to work for, all three actors will appear. Which of the following is true about the other actors who may appear?
 - (a) M, N, and O must all appear.
 - (b) M may appear and N must appear.
 - (c) M must appear and O may appear.
 - (d) O may appear and N may appear.
- 54. Next week, the show involves N's new car and O's new refrigerator. Which of the following is true about other actors whomay appear?
 - (a) M,J,L and K all may appear (b) J,L and K must appear
 - (b) J,L and K must appe
 - (c) only k may appear
 - (d) only L may appear

Directions for questions 55 to 58: Study the following information carefully and answer the questions given below it

There are 9 monuments, called Red fort, QutubMinar, JantarMantar, Humayun's tomb, India Gate, TajMahal, Lotus Temple, Akshardham and Ugarsen Ki Baoli. A tourist wants to visit exactly 5 of them 9 monuments. The following Conditions are to be met;

- 1. if he does not visit to QutubMinar, he will not visit lotus temple, Akshardham or Ugrasen Ki baoli either.
- 2. If he visits to Red fort, he will visit to QutubMinar and JantarMantar as well.
- 3. If he does not visit to Humayun's tomb, he will not visit to Red fort.
- 4. He definitely wants to visit to India Gate.
- 55. If the tourist visits to lotus temple and Akshardham.which of these monuments can we definitely states as being among the remaining 3 monuments?(a) QutubMinar only
 - (b) India Gate only
 - (c) Ugrasen Ki Baoli only
 - (d) QutubMinar and India Gate
- 56. Given that the tourist visits to Red fort, how many of the 5 monuments that he visits are known?(a) 4 (b) 2 (c) 3 (d) 5
- 57. The tourist visit to TajMahal and lotus temple.Which of these is definitely not one of the remaining 3 monuments he will visit?(a) Red fort(b) JantarMantar
 - (c) Humayun's tomb (d) Akshardham
- 58. If the tourist wants to visit to four monuments only and we are given that the tourist does not visit to a certain monuments (call it X), and we are able to find out all four monuments he does visit. Which of these are monuments X?
 - (a) Red fort (c) Jantar Mantar
 - (b) Qutub Minar (d) Humayun's tomb