

Analytical Test for HEC HAT 1 Engineering & IT

Sr	Questions	Answers Choice
1	Choose the answer you think is most appropriate among the given options.Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C.Each candidate should serve on exactly one of the committees.Committees A should consist of exactly one member more than that of committees B.It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C.16. In case T, S and X are the only individuals serving on committee B, the total membership of committee C should be:	A. Z and Y B. Z and W C. Y and V D. Y and U E. X and V
2	Choose the answer you think is most appropriate among the given options.Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C.Each candidate should serve on exactly one of the committees.Committees A should consist of exactly one member more than that of committees B.It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C.15. In case any of the nine individuals serves on committee C, which among the following could not be the candidate to serve on committee A?	A. R B. Y C. W D. T E. S
3	Choose the answer you think is most appropriate among the given options.Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C.Each candidate should serve on exactly one of the committees.Committees A should consist of exactly one member more than that of committees B.It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C.14. In case R is the only individual serving on committee B, which among the following should serve on committee A?	A. W and S B. V and U C. V and T D. U and S E. T and S
4	Choose the answer you think is most appropriate among the given options.Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C.Each candidate should serve on exactly one of the committees.Committees A should consist of exactly one member more than that of committees B.It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C.13. Of the nine individuals,the largest number that can serve together on committee C is	A. 9 B. 8 C. 7 D. 6 E. 5
5	Choose the answer you think is most appropriate among the given options.Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C.Each candidate should serve on exactly one of the committees.Committees A should consist of exactly one member more than that of committees B.It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C.12. In case T and Z are the individuals serving on committee B, now many of the nine individuals should serve on committee C?	A. 3 B. 4 C. 5 D. 6 E. 7
6	Choose the answer you think is most appropriate among the given options.Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below.A brand containing Livana should also contain Novajana twice that of Livana.A brand containing Mathia must also have equal quantity of Oxia.A single brand never contains Novajana as well as Oxia.Oxia and Piask should not be used together.A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tealeaves11. Among the below mentioned brands,which can be made agreeable by the eliminating some or all of one type of tealeaves?	A. One part Livana, one part Mathia, one part Novajana, four parts Piask B. One part Livana, two parts Novajana, one part Oxia, four parts Piask C. One part Livana, one part Mathia, one part Oxia, one part Piask D. Two parts Livana, two parts Novajana, one part Oxia, two Parts Piask E. Two parts Mathia, one part Novajana, two parts Oxia, three parts Piask
7	Choose the answer you think is most appropriate among the given options.Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below.A brand containing Livana should also contain Novajana twice that of Livana.A brand containing Mathia must also have equal quantity of Oxia.A single brand never contains Novajana as well as Oxia.Oxia and Piask should not be used together.A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tealeaves10. Among the following which combination cannot be used together in an agreeable brand containing two or more types of tealeaves?	A. Livana and Mathia B. Livana and Novajana C. Livana and Piask D. Mathia and Oxia E. Piask and Novajana
8	Choose the answer you think is most appropriate among the given options.Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below.A brand containing Livana should also contain Novajana twice that of Livana.A brand containing Mathia must also have equal quantity of Oxia.A single brand never contains Novajana as well as Oxia.Oxia and Piask should not be used together.A blend containing Piask should contain it in such a	A. One part Livana B. One part Mathia C. Two parts Novajana D. One part Oxia

	proportion that the total amount of Piask present should be greater than the total amount of the other tealeaves9. Among the following the addition of which combination would make a brand containing two parts Novajana and one part Piask conformable with the conditions?	E. Two parts Piask
9	Choose the answer you think is most appropriate among the given options.Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below.A brand containing Livana should also contain Novajana twice that of Livana.A brand containing Mathia must also have equal quantity of Oxia.A single brand never contains Novajana as well as Oxia.Oxia and Piask should not be used together.A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tealeaves8.Adding more amount of Novajana will make which of the following brands conformable with the conditions?	A. One part Livana, one part Novajana, five parts Piask B. Two parts Mathia, two parts Novajana, two parts Piask C. One part Mathia, one part Novajana, one part Piask D. Two parts Mathia, one part Novajana, four parts Piask E. Two parts Novajana, one part Oxia, three parts Piask
10	Choose the answer you think is most appropriate among the given options.Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below.A brand containing Livana should also contain Novajana twice that of Livana.A brand containing Mathia must also have equal quantity of Oxia.A single brand never contains Novajana as well as Oxia.Oxia and Piask should not be used together.A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tealeaves7. Among the following which is an acceptable brand in accordance with the rules?	A. One part Livana, one part Piask B. Two parts Mathia, two parts Livana C. Three parts Novajana, three parts Livana D. Four parts Oxia, four parts Mathia E. Five parts Piask, five parts Mathia
11	Choose the answer you think is most appropriate among the given options.An Internal Services Manager at a large corporation has been assigned the task of allotting offices to six of the staff members.The offices are titled A through F.Mrs.Ruby needs to use the telephone quite often throughout the day.Mr. Mujahid and Mr. Zahid need adjacent offices as they need to consult each other often while working. Mrs. Fauzia is a senior employee and has to be allotted the office marked E, having the biggest window.Mr. Abid requires silence in the offices next to his Mr.Shahid Mr. Mujahid, and Mr, Abid are all smokers. Mrs Fauzia requires non-smoker neighbors.Unless specifically stated all the employees maintain an atmosphere of silence during office hours.6. The ideal office for Mr, Mujahid would be.	A. B B. F C. A D. C E. D
12	Choose the answer you think is most appropriate among the given options. An Internal Services Manager at a large corporation has been assigned the task of allotting offices to six of the staff members.The offices are titled A through F.Mrs.Ruby needs to use the telephone quite often throughout the day.Mr. Mujahid and Mr. Zahid need adjacent offices as they need to consult each other often while working. Mrs. Fauzia is a senior employee and has to be allotted the office marked E, having the biggest window.Mr. Abid requires silence in the offices next to his Mr.Shahid Mr. Mujahid, and Mr, Abid are all smokers. Mrs Fauzia requires non-smoker neighbors.Unless specifically stated all the employees maintain an atmosphere of silence during office hours.5. The three employees who are smokers should be seated in the offices.	A. A,B and D B. B,C and F C. A,B and E D. A,B and C E. A,B and F
13	Choose the answer you think is most appropriate among the given options.An Internal Services Manager at a large corporation has been assigned the task of allotting offices to six of the staff members.The offices are titled A through F.Mrs.Ruby needs to use the telephone quite often throughout the day.Mr. Mujahid and Mr. Zahid need adjacent offices as they need to consult each other often while working. Mrs. Fauzia is a senior employee and has to be allotted the office marked E, having the biggest window.Mr. Abid requires silence in the offices next to his Mr.Shahid Mr. Mujahid, and Mr, Abid are all smokers. Mrs Fauzia requires non-smoker neighbors.Unless specifically stated all the employees maintain an atmosphere of silence during office hours.4. The ideal candidate to occupy the office farthest from Mr. Zahid would be	A. Mrs. Fauzia B. Mr. Mujahid C. Mr. Shahid D. Mr. Abid E. Mrs. Ruby
14	Choose the answer you think is most appropriate among the given options.Three men (Tahir, Pervaiz, and Javed) and three women (Elena, Ayesha, and Kiran) are spending a few months at Abbottabad. They are to stay in a row of nine cottages each one living in his or her own cottage There are no others staying in the same row of houses.i. Ayesha, Tahir, and Javed do not want to say in any cottage which is at the end of the row.ii. Elena and Ayesha are unwilling to stay besides any occupied cottage.iii. Kiran is next to Pervaiz and javed.iv. Between Ayesha and javed's cottage there is just one vacant house.v. None of the girls occupies adjacent cottages.vi. The house occupied by Tahir is next to an end cottage.3. Which among these statement (s) are true?a. Ayesha is between Elena and Javed.b. At the most four persons can have occupied cottages on either side of them.c. Tahir stays besides Pervaizs.	A. I only B. II only C. I and III only D. II and III only E. I,II and III
15	Choose the answer you think is most appropriate among the given options.Three men (Tahir, Pervaiz, and Javed) and three women (Elena, Ayesha, and Kiran) are spending a few months at Abbottabad. They are to stay in a row of nine cottages each one living in his or her own cottage There are no others staying in the same row of houses.i. Ayesha, Tahir, and Javed do not want to say in any cottage which is at the end of the row.ii. Elena and Ayesha are unwilling to stay besides any occupied cottage.iii. Kiran is next to Pervaiz and javed.iv. Between Ayesha and javed's cottage there is just one vacant house.v. None of the girls occupies adjacent cottages.vi. The house occupied by Tahir is next to an end cottage.2. How many of them occupy cottages next to a vacant cottage?	A. 2 B. 3 C. 4 D. 5 E. 6
16	Choose the answer you think is most appropriate among the given options.Three men (Tahir, Pervaiz, and Javed) and three women (Elena, Ayesha, and Kiran) are spending a few months at Abbottabad. They are to stay in a row of nine cottages each one living in his or her own cottage There are no others staying in the same row of houses.i. Ayesha, Tahir, and Javed do not want to say in any cottage which is at the end of the row.ii. Elena and Ayesha are unwilling to stay besides any occupied cottage.iii. Kiran is next to Pervaiz and javed.iv. Between Ayesha and javed's cottage there is just one vacant house.v. None of the girls occupies adjacent cottages.vi. The house occupied by Tahir is next to an end cottage.1.Which of the above statements can be said to have been derived from two other statements?	A. Statement 1 B. Statement 2 C. Statement 3 D. Statement 5 E. Statement 6

