

GAT-A Business and Engineering Analytical

Sr	Questions	Answers Choice
1	<p>Nine athletes attend a sports banquet at Iqbal Stadium, Lahore. Three of the athletes--A, B and C--are varsity football players, two of the athletes---D and E--are varsity basketball players. The other four athletes--L, M, N, and O --belong to the hockey club. All nine athletes will be seated at three small tables, each seating three athletes. The athletes must be seated according to the following rules: L and A do not sit at the same table. M sits together with at least one of B or D. There can be at most only one football player at a table. There can be at most only one basketball player at a table. Q-Which trio could sit together?</p>	<p>A. M, O and L B. D, E and L C. B, E and L D. B, D and L E. A, N and L</p>
2	<p>During practice matches, before a major tournament, in a football ground, one team can practice at a time. There are seven teams-- the Argentine, the Brazil, the Senegal, the Dubai, the England, the France and the Germany. The football ground is open seven evenings a week from Monday to Sunday (Sunday being considered the last day of the week), and the allocation of the practice times is governed by the following rules: i. On any evening only one team can play. ii. The Argentine must practice on Monday. iii. The Dubai practice exactly one day before the France practice. iv. The France practice exactly one day before the Germany practice. v. The Senegal and the Brazil must practice earlier in the week than the England. Q-The latest day in the week that the Brazil can practice is?</p>	<p>A. Tuesday B. Wednesday C. Thursday D. Friday E. Saturday</p>
3	<p>The principal of a college is forming a committee. There are to be five members: three teachers, chosen from Mr A, Mr C, Mr D, Mr E; and two students, chosen from L, M, N and O. The composition of the committee must conform the following conditions: Q-Mr. A will serve only if O is also on the committee. Mr C will not serve unless Mr. B and L also serve. Neither Mr. D nor Mr. E will serve without the other. If M serves, either N nor O can serve. Which of the following is an acceptable committee?</p>	<p>A. A, C, D, E, L B. B, C, E, L, M C. B, D, E, L, O D. C, D, E, L, M E. D, E, L, M, N</p>
4	<p>Two or more tea leaves 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 tea leaves. Q: Among the following which is an acceptable brand in accordance with the rules?</p>	<p>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</p>
5	<p>In a city, police commissioner planned to educate the citizens the traffic rules. He arranged a separate department and appointed senior staff members as instructors. Students in this class are required to meet the chief instructor once per term. The chief instructor offers meeting times on one day, one meeting time in the morning, one in the afternoon, and one in the evening. The students in the class this term are Farid, Gia, Hamid, Javed, Kamran, Lubna, Majeed, and Nargis. The meetings with the chief instructor must conform to the following conditions: The chief instructor will not meet with only one student at a time. The chief instructor must meet with at least one student in each of the available meeting times. Farid and Javed cannot attend the same meeting. Kamran and Majeed cannot attend the same meeting. If Gia attends the morning meeting, then Kamran must attend the evening meeting. If Javed attends the afternoon meeting, then Hamid must attend the afternoon meeting. The number of students who meet in the morning must be the same as the number of students who meet in the evening. Q: If Gia meets in the morning and Lubna and Nargis meet in the evening, then how many different possible meetings could there be in the afternoon?</p>	<p>A. 2 B. 3 C. 4 D. 5 E. 6</p>
6	<p>Sales manager Nasir Ali is trying to establish a sales team to cover the Lahore region. His team will consist of four members - two experienced and two new sales representatives. Saleem, Fawad, Hanif, and Karim are the experienced sales representatives. Javed, Taimoor, and Daud are new. Saleem and Fawad do not work together. Taimoor and Saleem refuse to work together. Hanif and Daud cannot work together. Q: If Saleem is to be a part of the team, the following must be the other members:</p>	<p>A. Javed, Taimoor, Daud B. Javed, Daud, Karim C. Taimoor, Hanif, Karim D. Daud, Javed, Fawad E. Javed, Daud, Hanif</p>
7	<p>Researchers have found an inactive virus in dry bread. In previous experiments, researchers found that inactivated viruses could convert healthy cells into cancer cells. It can be concluded that the use of dry bread can cause cancer. Q-Which one of the following if true most seriously weakens the argument?</p>	<p>A. The result of many studies about the same topic were consistent. B. Many other ingredients dry bread can neutralize the effect of inactive virus. C. Many of cancer patients confirmed the use of dry bread. D. Ten percent of rural population use dry bread E. Inactive virus cannot be killed by</p>

- The office staff of a firm engaged in marketing of innovative gimmicks consists of three accountants—A, B, C and five secretaries— D, E, F, G, H. The top management is planning to expand its market by opening a new setup in another city using two accountants and three secretaries of the present staff. To do so they plan to separate certain individuals who don't function well together. The following guidelines were established to set up the new office
- I Accountants A and C cannot work together happily as A is a chain smoker and C is allergic to smoking and should not be sent together to the new office as a team
 II C and E function well alone but quarrel when work together so, they should be sent to the new office as a team
 III D and G have not been on speaking terms and shouldn't go together
 IV Since D and F have been competing for promotion they shouldn't be a team.
 Q: Which of the following must switched to the new office
- A. B
 B. D
 C. E
 D. G
-
- Nine individuals - Z, Y, X, W, V, U, T, S and R are to serve on three committees labeled A, B and C. Each candidate should serve on exactly one of the committees. Committee A should consist of exactly one member more than that of committee B. It is possible that there are no members of committee 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.
 Q: 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
-
- According to Albert Einstein's famous theory of relativity, time travel is theoretically possible, if we assume that time travel were to be possible through some technological wonder, it would be advantageous to send someone back in time to prevent the assassination of Archduke Franz Ferdinand in 1914 and thus keep World War I from ever occurring. Q-The argument above makes which of the following assumptions?
- A. The technology necessary for time travel is likely to be developed in the near future.
 B. If the time travel were to be developed in the future, evidence of time travelers would be apparent to those living today.
 C. It is not possible to alter a significant current in world history merely by changing a single event.
 D. If Franz Ferdinand had not been assassinated, some other catalytic event would have led to the start of World War I.
 E. The assassination of Franz Ferdinand was the crucial event that triggered the start of World War I.
-
- 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.
 Q: 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
-
- A Government College sports president wishes to select four members of a sports-wing committee as special representatives to meet the requirements of college's sports activities. The committee consists of eight members four of which (K, L, M and N) are sports teachers whereas the other four (P, Q, R and S) are students. The four representatives must consist of exactly two sports teachers and two students. Either K or L must be one of the representatives but K and L both cannot be the representatives. If P is a representative then L cannot be a representative. Q-If L, N and Q are representatives then which of the following must also be a representative?
- A. M
 B. P
 C. R
 D. S
-
- Seven children--M, N, O, P, Q, X and Y eligible to enter a drawing contest. From these seven, two teams must be formed, a blue team and a yellow team, each consisting of exactly three of the children. No child can be selected for more than one team. Team selection is subject to the following restrictions: If P is on the blue team, O must be selected for the yellow team. If M is on the blue team. If M is on the blue team, Q, if selected must be on the yellow team. Q cannot be on the same team as X. N cannot be on the same team as O. Q-If P is on the blue team, which of the following if selected, must also be on the blue team?
- A. M
 B. N
 C. Q
 D. X
 E. Y
-
- Multan Institute of Higher Studies plans to show five educational films A, B, C, D, and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:
 A must be shown earlier than C.
 B must be shown earlier than D.
 E should be the fifth film shown.
 Q: In case D and E are shown as far apart from each other as possible, which among the following would be true?
- A. A is shown earlier than B
 B. B is shown earlier than C
 C. C is shown earlier than E
 D. D is shown earlier than A
 E. E is shown earlier than B

15	<p>Each of the following problems has a question and two statements which labeled 1 and 2. Use the data given in 1 and 2 together with other information given in the statement, and find a correct answer by using basic mathematics and and everyday facts. Q-How many bulbs does Munir have? 1. He bought two boxes each containing 12 bulbs. 2. He lent three bulbs to Khalid.</p>	<p>A. Statement 1. ALONE is sufficient but 2. ALONE is not sufficient to answer this question. B. Statement 2. ALONE is sufficient but 1. ALONE is not sufficient to answer this question, C. Statements 1 and 2. TOGETHER are sufficient to answer the question but NEITHER of them is sufficient ALONE. D. Statements 1 and 2 COMBINED are not sufficient to answer the question and additional information is needed to find the correct answer.</p>
16	<p>Many people do not read the books they purchase. For example seventeen percent of college students in Pakistan have textbooks, but only forty-five percent of them read more than once a year and only seventeen percent read more than once a week. Q-Which of the following if true casts doubt on the claim that most people read the books they purchase?</p>	<p>A. Readers often exaggerate about their book reading. B. The sale of novels is more than that of other types. C. Many people buy books to pretend themselves as a scholar. D. Regular book readers are most susceptible to eye diseases. E. Reading speed is increased by frequent readings.</p>
17	<p>Two statements, labeled (1) and (2), follow each of the following given questions. The statements contain certain information in the question you do not actually have to compute an answer, rather than you have to decide whether the information given in the statements (1) and (2) is sufficient to find a correct answer by using basic mathematics and everyday fact? Q-Can any of the four rivers be more than 200 meters wide? 1. The narrowest of the four rivers is 140 meters wide. 2. Average width of the four rivers is 200 meters.</p>	<p>A. Statement 1. ALONE is sufficient but 2. ALONE is not sufficient to answer this question. B. Statement 2. ALONE is sufficient but 1. ALONE is not sufficient to answer this question. C. Statements 1 and 2. TOGETHER are sufficient to answer the question but NEITHER of them is sufficient ALONE. D. Statements 1 and 2 COMBINED are not sufficient to answer the question and additional information is needed to find the correct answer.</p>
18	<p>Travelers may enter and remain in the republic for up to 57 days. If a traveler is to stay for more than seven days, however, a special visa is required. Q-10. If the statements above are true, which of the following must also be true?</p>	<p>A. Travelers who are staying in the Republic for 15 days must have a special visa. B. Many travelers who stay in the Republic do not need a visa. C. Some travelers who stay in the Republic for more than seven days do not have to appropriate visas. D. Travelers who stay less than seven days in the Republic do not need visas.</p>
19	<p>During 2006, from January through June, the Chairman of Physics Department will be on Sabbath. The Dean of college has asked each of the college six professors in the department---Akhter, Bilal, Chohan, Fraz, Hamid and Noman--to serve as acting chairman during one of these months. The physicists can decide the order in which they will serve, subject only to the following criteria established by the dean. i. Chohan will serve as chairman in February. ii. Akhter will serve as chairman before Hamid does. iii. Bilal and Fraz will serve as chairman in consecutive months. Q-In how many ways can the schedule be made up if Noman has to serve as Chairman in May?</p>	<p>A. 1 B. 3 C. 6 D. 4 E. 2</p>
20	<p>During 2006, from January through June, the Chairman of Physics Department will be on Sabbath. The Dean of college has asked each of the college six professors in the department---Akhter, Bilal, Chohan, Fraz, Hamid and Noman--to serve as acting chairman during one of these months. The physicists can decide the order in which they will serve, subject only to the following criteria established by the dean. i. Chohan will serve as chairman in February. ii. Akhter will serve as chairman before Hamid does. iii. Bilal and Fraz will serve as chairman in consecutive months. Q-Which of the following CANNOT be true?</p>	<p>A. Akhter and Noman serve in consecutive months B. Noman and Hamid serve in consecutive months C. Hamid and Fraz serve in consecutive months D. Akhter and Chohan serve in consecutive months E. Bilal and Chohan serve in consecutive months</p>