GAT-A Business and Engineering Analytical

Sr	Questions	Answers Choice
1	On a factory control room, there are three ON-OFF switches on central control panel, labeled A,B, and C. They are changed from default setting to a required setting based on the following rules: In case only switch A is ON in the default setting, then turn switch BON.. In case switches A and B are the only switches ON in the default setting, then turn switch CON. In case all the three switches are ON,in default setting, then turn the switch C OFF. For any other default setting turn ON all switches that are OFF and turn OFF all switches,if any, that are ON. Q:In case in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting?	A. AON, BON, CON B. AON, BOFF, CON C. AON, BOFF, COFF D. AOFF, BON,COFF E. AOFF,BOFF,CON
2	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-A and D are seated at one table.which of the following are possible seating arrangements for the remaining two tables?	A. B with L and O, C with E and M B. B with M and N, C with L and O C. B with O and D, E with N and O D. C with E and L, B with N and O E. L with M and N, B with E and O
3	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 M) are sports teachers whereas the other four (P,Q,R andS) 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 If R is a representative then L cannot be a representative.Q-If R is a representative but M is not a representative then the whole group can be determined if it were also true that?	A. K is a representative B. N is a representative C. P is a representative D. S is not a representative
4	In a computer data transfer-cable plant,cables are assembled by twisting plastic-coated wires together.There are wires of exactly six different solid colours---red,purple,pink,green,orange and book --wires must be assembled into single cables according to the following rules:Each cable must contain at least three wires and wires of at least three different colours.These cables are joined by the following rules:At most two wires in a single cable can be black.At most two wires in a single cable can be orange.There can be at most one wire of each of the other colours in a single cable.If one wire is red,then one wire must be purple.If one wire is pink,then no wire can be green.Q-If an assembled cable consists of exactly five wires,each a different colour,it could be true that a colour NOT used is?	A. Orange B. Purple C. Red D. Green E. Black
5	A publisher chooses five articles to be published in the upcoming issue of an arts review.The only articles available for publication are theater articles L,M,N and O and dance articles W,X,Y,and Z.At least three of the fire published articles must be dance articles.If O is chosen,then Y Cannot be.If L is chosen,then O must also be chosen.Q-How many acceptable groupings articles include O?	A. One B. Two C. Three D. Four E. Five
6	Light bulbs that emit lower-intensity light save energy by requiring less electricity.Therefore,If homeowners use only low-intensity light bulbs,their electric bills will decrease.Q-Which of the following represents a necessary assumption for the above argument?	A. Low-intensity light bulbs are less expensive than more standard light bulbs. B. By lowering electricity use,homeowners can help decrease pollution levels in their communities. C. The low-intensity light bulbs are as effective in providing light as standard light bulbs. D. Homeowners are always concerned with lowering their utility bills.
7	An English speaking class in a college has a circular table with eleven seats around it.Five girls (Fatima,Maryam,Iram,Sana and Amna)and five boys (Bilal,Najam,Hamza,Osama,Javed) are seated around the table.None of the girls are seated in a seat adjacent to another girl.Fatima sits between Bilal and Najam, and next to each of them javed does not sit next to Osama.Q-If Maryam,Hamza,Iram,Javed and Najam are seated in that order,which of the following is a correct completion of the seating order after Najam?	A. Fatima,Bilal,Sana,Osama,Amna,empty seats B. Fatima,Bilal,Osama,Sana,empty seat Amna C. Bilal,Amna,Fatima,Osama,Sana,empty seats D. Fatima,Bilal,Amna,Osama,empty seats,Sana E. Fatima,Bilal,Sana,empty seats,Amna,Osama

The accounts staff of the Mark corporation presently consists of three book-keepers (X,Y and Z) and five Data Entry Operators (M,N,O,P and Q) Management is planning to open a

8	new office in another city sending three Data Entry Operators and two book-keepers from the present staff.To do so they plan to separate certain individuals who do not function well together.The following guidelines were established to set up the new office:(i) Book-keepers X and Z are constantly finding faults with one another therefore should not be sent together to the new office.(ii) Z and N function well alone but not as a team.They should be separated.(iii) M and P have not been on speaking terms for many months they should not go together.(iv) Since M and O have been competing for a promotion they should not be in one team.Based on the above information find the correct answers to the following questions:Q-If X is to be moved as one of the book-keepers,which of the following CANNOT be a possible working unit?	A. X Y M N Q B. X Y N O Q C. X Y M P Q D. X Y N P Q
9	A publisher chooses five articles to be published in the upcoming issue of an arts review.The only articles available for publication are theater articles L,M,N and O and dance articles W,X,Y,and Z.At least three of the fire published articles must be dance articles.If O is chosen,then Y Cannot be.If L is chosen,then O must also be chosen.Q-The choice of which article makes only one group of articles acceptable?	A. L B. M C. O D. X E. Y
10	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:Of the nine individuals, the maximum number that can serve together on committee C is	A. 9 B. 8 C. 7 D. 6 E. 5
11	If Fatima was born in NWFP,then the she is a citizen of Pakistan.The statement above can be deduced from which of the following statements?	A. Fatima was born either in NWFP or in Punjab. B. Some people born in NWFP are citizen of Pakistan. C. Everyone born in Pakistan is a citizen of Pakistan. D. Every citizen of Pakistan is resident either of one have the province or of one of the tribal area. E. Fatima is a citizen either of Pakistan or of any other Country.
12	A builder will build five houses in New Housing Scheme on a street that currently has no house.The builder will select from seven different models of houses--L,M,N,O,P,Q and R The Development Authority has placed the following restrictions on the builder: No model can be selected for more than one house.Either model O must be select or model R must be selected,but both cannot be selected,If model Q is selected then model N cannot be selected.If model M is selected then model O cannot be selected.Q-The model R is one model not selected for the street,then the other model NOT selected must be which of the following?	A. L B. M C. N D. O E. P
13	Two statements, labeled X and Y, follow each of the following questions.The statements contain certain information.In the questions you do not actually have to compute an answer rather you have to decide whether the information given in the statement X and Y is sufficient to find a correct answer by using basic mathematicsand everyday facts.Q-A runner has just completed 46 miles running.How long did it take him to finish the journey? X.His record speed is 13.2 miles per hour.Y.His average speed through the journey was 9.2 miles per hour.	A. Statement X. Alone is sufficient but Y.Alone is not sufficient to answer this question. B. Statement Y.Alone is sufficient but X.Alone is not sufficient to answer this question. C. Statement X and Y TOGETHER are sufficient to answer the question but NEITHER of them is sufficient Alone, D. Statements X and Y COMBINED are NOT sufficient to answer the question and additional information is needed to find the correct answer.
14	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-If a person went to the football ground on three consecutive evenings,her or she could see which of the following teams in the order listed?	A. The France,the Germany,the Senegal B. The France,the Germany,the Dubai C. The Argentine,the Dubai,the Senegal D. The Brazil,the Senegal,the Franxe E. The Dubai the England,the France
15	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 Word 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 Word War I.

16	There are seven cages next to each other in a zoo.The following is known as about the cages.Each cage has only one animal,which is either a lion or a monkey.There is a lion in each of the first and last cages.The cage in the middle has monkey.No two adjacent cages have monekey in them.The monkey's cage in the middle has two lion cages on either side.Each of the other monkey cages are between and next to two lion cages.Q-The monkey cage in the middle must have?	A. No other monkey cage to its left. B. No lion cage on its right. C. A lion cage to its left and to its right. D. Other monkey cages next to it. E. No lion cage to its left.
17	In a shopping mall, six steps lead from the first to the second floor. Four peoples A, B, C, and D are to go from first floor to the second floor following the rules given below. No two people can be on the same step. A is two steps below C. B is a step next to D. Only one-step is vacant (No one standing on that step). Denote the first step by step I and second step by step 2 etc. Q: If E was on the third step and B was on a higher step than E which step must be vacant	A. step 1 B. step 2 C. step 4 D. step 5 E. step 6
18	Three women--X,Y, and Z are traveling in a van with five children--A,B,C,D and E The van has a driver's seat and one passenger seat in the front and two benches behind the front seats, one bench behind the first.Each bench has room for exactly three people.Every one must sit in a seat or on a bench and seating is subject to the following restrictions: A women must sit on each bench.Either X or Y must sit in the driver's seat.C must sit immediately beside E.Q-If A sits immediately beside Z,which of the following CANNOT be true?	A. C sits immediately beside Y. B. D sits immediately beside Z. C. B sits in the front passenger seat. D. A sits on the same bench as B E. B sits on the same bench as X
19	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-Can there be more than 150 pictures in a 30-page book?1.There is at least two pictures in cash page.2. There are no more than 4 pictures in any page.	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.
20	Asif has refused to work hard for the exam preparation; therefore no more pocket money from his father should be provided to him.1.Which of the following is an assumption made in the argument above?	A. Asif is a dull student. B. Pocket money of his brother Rafaqit is more. C. Money has no importance in Asif's life. D. Asif like expensive coloured books. E. Asif is a greedy boym,and demand more money from his father.