GAT-B Arts, Humanities & Social Science Analytical

Sr	Questions	Answers Choice
1	A school is introducing a new testing system.To test the system,three trainers (Latif,Mehak and Osaf) and three dogs (Lottie,Muts and Ony) are assigned to three different rooms,one trainer,and one dog per room.The Initial assignment is as follows:Room1 : Latif and LottieRoom2 : Mehak and MutsRoom3 : Osaf and OnyThe participants have learned five different commands,each of which they will execute as soon as the command is given.Command A requires the trainer in Room 1 to move to Room 2,the trainer in Room 2 to move to Room 3,and the trainer in Room 3 to move to Room 1.Command B requires the dogs in Room 1 and 2 to change places.Command C requires the dogs in Room 2 and 3 to change places.Command D requires the dogs in Room 3 and 1 to change places.Command E requires each of the dogs to go to the room containing the trainer it was matched with in the initial assignment.Q-Which of the following sequences of commands could result in a final arrangement in which Mehak and Ony are in Room 1.Osaf and Muts are in Room 2,and Latif and Lottie are in Room 3?	A. D,A,B B. A,C,D C. A,E,C,A D. A,D,A,B E. B,D,A,A
2	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 stay 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 nest to an end cottage. Q: How many of them occupy cottages next to a vacant cottage?	A. 2 B. 3 C. 4 D. 5 E. 6
3	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.	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.
4	Selfishness is a principal evil in our society.Every person is concerned with only himself.Personal advancement is the only motivating force in the world today.This does not mean that individual,are not willing to help one another on the contrary,_____.However these are only short-term occurrences,which ultimately serve our long-term goal of personal gain.Q-9.Which among the following options would most strongly contradict the author's attitude towards society?	A. The greatest strength of society is altruism. B. We must all learn the art of love. C. Our short-term actions may contradict our long-term goals. D. Morality is the bedrock of a growing community. E. The forces of good will ultimately triumph over evil.
5	Before the arrival of Asim,a new partner,sales output in Bilal's company Minhas In Reverse Ltd.had been raising by 10% per year on average.Innovations by Asim included computerization of technical process and reduction in the work force,but annual sales output has only risen by 5% per year.It appears that Asim's innovations have caused the reduction in the annual growth rate.Q:Which of the following if true would most seriously weaken the conclusion above?	A. Asim's innovations were intended as long-term investment and not made for short-term profit growth. B. General demand for the product manufactured by the company has declined. C. The investment in new machinery entails a provision for depreciation of the cost of the fixed assets,which causes a reduction in profit. D. Workers laid off by Minhas in Reverse Ltd.have been hired by a competitor,who is taking an increasing share of the market. E. Minhas In Reverse Ltd.does not base increases in the selling price of its products with costs.
	Society for special education is to prepare seven blind students for national Naat competition in the month of Ramzan. Controller for academics of the society selects seven students —Tahir, Usman, Veena, Waseem, Ghias, Yasin, and Zafar. For this purpose, the students are to give a recital, and their instructor is deciding the order in which they will	

6	perform. Each student will perform exactly one Naat. In deciding the order of performance, the instructor must observe the following restrictions: Ghias cannot perform first or second. Waseem cannot perform until Ghias has performed.Neither Tahir nor Yasin can perform seventh. Either Yasin or Zafar must perform immediately after Waseem performs. Veena must perform either immediately after or immediately before Usman performs. Q:If Usman performs third, what is the latest position in which Yasin can perform?	A. First B. Second C. Fifth D. Sixth E. Seventh
7	In a city, police commissioner planed 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. ',arid and Javed cannot attend the same meeting. Kamran and Majced 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: Which of the following is an acceptable arrangement of student meetings?	A. Morning: Farid, Gia, Nargis;Afternoon:Hamid:Javed;Evening:Kamran,Lubna,Majeed B. Morning: Javed; Afternoon: Farid, Gia, Hamid, Lubna, Majeed, Nargis; Evening: Kamran C. Morning: Gia, Majeed; Afternoon: Hamid, laved, Lubna, Nargis; Evening: Farid, Kamran D. Morning: Hamid; Lubna, Nargis; Afternoon: Farid, Gia, Kamran; Evening: Javed, Majeed E. Morning: Farid, Gia; Hamid; Afternoon: Javed, Majeed; Evening: Kamran, Lubna, Nargis
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9	Which of the following can be logically deduced from the stated conditions	A. No F's are B's B. No B's are F's C. Some F's are B's D. No G's are A's
10	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 the France practice on Saturday,the England must practice on what day?	A. Tuesday B. Wednesday C. Thursday D. Friday E. Sunday
11	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 costs doubt on the claim that most people read the books they purchase?	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.
	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	A. 6

12	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-The maximum number of wires that can be used in an acceptable is?	A. 6 B. 7 C. 8 D. 5 E. 4
13	An island, five kilometers away in the sea is connected to the land by two ways, three hanging bridges A, B, and C and three water routes 1,2 and 3.The managing authority offers services to people for coming in and for going out by officially managed vehicles on both ways. When it snows, morning service on B is delayed. When it rains or snows, service on A, route 2 and route 3 are delayed in both the morning and afternoon When temperature falls below 30 degrees Fahrenheit afternoon service is cancelled on either A or on the route 3, but not both.When the temperature rises over 90 degrees Fahrenheit, the afternoon service is cancelled in either on C or on the route 3 but not both.When the service on A is delayed or cancelled, service on the C, which connects A is delayed.When service on the router 3 is cancelled, service on B, which connects the route 3 is delayed. Q: On August 15th with the temperature at 97 degrees Fahrenheit, it begin to rain at 1 PM. What is the minimum number of services will be affected?	A. 2 B. 3 C. 4 D. 5
14	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- Which of the following is an acceptable combination of models that can be selected for the street?	A. L,M,N,P,Q B. L,M,P,Q,R C. L,N,P,Q,R D. M,N,O,P,Q E. N,O,P,Q,R
15	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-In a B.Sc class at G.C University,40 boys and 15 girls registered for Calculate and Analytical geometry How many boys passed the course?X.7 students could not pass.Y.There were 3 girls who obtained A grade.	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
16	A school is introducing a new testing system.To test the system,three trainers (Latif,Mehak and Osaf) and three dogs (Lottie,Muts and Ony) are assigned to three different rooms,one trainer,and one dog per room.The Initial assignment is as follows:Room1 : Latif and LottieRoom2 : Mehak and MutsRoom3 : Osaf and OnyThe participants have learned five different commands,each of which they will execute as soon as the command is given.Command A requires the trainer in Room 1 to move to Room 2,the trainer in Room 2 to move to Room 3,and the trainer in Room 3 to move to Room 1.Command B requires the dogs in Room 1 and 2 to change places.Command C requires the dogs in Room 2 and 3 to change places.Command D requires the dogs in Room 3 and 1 to change places.Command E requires each of the dogs to go to the room containing the trainer it was matched with in the initial assignment.Q-If the participants in the initial assignment are given exactly one command,command A,which of the following will be true in the resulting arrangement?	A. Osaf and Muts will be in the same room. B. Mehak will be in room 3. C. Mehak and Lottie will be in the same room. D. Latif will be in Room 3.
17	In a room,six people,P,Q,R,S,M and N are seated about a round table.Every chair is placed equidistant from adjacent chairs.1.M is seated next to R.2.S is seated 3 seats from R.3.P is seated 2 seats from N.Q-Which of the following is necessarily true?	A. The linear distance from S to R is greater than the linear distance from N to M. B. The linear distance from P to Q is equal to the linear distance from M to N. C. The linear distance from R to M is equal to the linear distance from P to S. D. The linear distance from M to Q is equal to the linear distance from P to M. E. The linear distance from R to S is equal to the linear distance from P to Q.
18	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.If Y is not chosen for the issue,which of the following must be chosen?	A. L B. M C. N D. O E. W
19	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 Javed leaves his seat and	A. Bilal and Fatima B. Iram and Najam C. Fatima and Najam D. Osama and Maryam E. Amina and Maryam

	occupies the empty seat,his new seating position would be between:	
20	Four computer operators (Ali,Babar,Cheema and Dar) each have to perform duties at the NADRA on four different days Thursday through Sunday.The following is their duty schedule: Cheema has his duty day before Ali.Dar has his duty day later than Babar.Q-Each of the following possible EXCEPT:	A. Cheema has his duty on Thursday B. Babar has his duty on Thursday C. Dar has his duty on Saturday D. Babar has his duty on Sunday E. Ali has his duty on Sunday