GAT-B Arts, Humanities & Social Science Analytical

Sr	Questions	Answers Choice
1	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 B was on step 1, which step could A be on?	A. 2 and 5 only B. 3 and 5 only C. 3 and 4 only D. 4 and 5 only E. 2 and 4 only
2	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.
3	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:If Javed and Kamran meet in the afternoon, which of the following must be true?	A. Farid attends the morning meeting B. Majeed attends the afternoon meeting C. Lubna attends the afternoon meeting D. Exactly three people attend the morning meeting E. Exactly four people attend the afternoon meeting
4	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?	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
5	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.Which of the following could be the complete set of wires in an acceptable cable?	A. A green wire,an orange wire,and a pink B. A pink wire,a black wire,and an orange wire. C. A red wire a black wire and a green wire. D. A purple wire and exactly two black wires. E. Exactly two black wires and exactly two orange wires
6	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?	A. Tuesday B. Wednesday C. Thursday D. Friday E. Saturday
	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	

7	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
8	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-Captain of national hockey team should be the most popular member of the team.Who is the captain of Pakistan's national hockey team?X. Saqlain is the best player on the team.Y, junaid is the senior-most member.	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
9	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 int he 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?	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
10	In a scout training institute, there are three categories strikers, defenders, and helpers. Eight scouts are selected from these categories for learning to follow two commands—"attack" And "revert." At least onescout is selected from one category. All female scouts in the group are defenders. The results of the first lesson are as follows: At least: two of the scouts have learned to follow the "attack': command, but not the "revert" command. At least two of the.scouts have. learned to follow the "revert" command, but not the "attack" command. At least one of the scouts has learned to follow both commands. Among the eight scouts, only helpers have learned to follow the "revert" command. Q:Which of the following statements CANNOT be true?	A. The group includes more females than males B. The group includes fewer helpers than strikers C. The group includes more strikers than defenders D. More of the scouts have learned to revert than to attack E. More of the scouts have learned to attack than to revert
11	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 horse ran 80 miles without stopping.What was its average speed in 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. Statements X and Y. TOGETHER are sufficient to answer the question but NEITHER of them is sufficient Alone. D. Statements X and Y COMBINED are nor sufficient to answer the question and additional information is needed to find the correct answer.
12	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.
13	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-How many cages have lions in them?	A. 3 B. 2 C. 4 D. 6 E. 5
14	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 item 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-Which of the	A. M,N and O B. M,Q and Y C. N,O and Y D. O,P and Q E. P,Q and Y

	following can be the three members of the blue team?	
15	In a scout training institute, there are three categories strikers, defenders, and helpers. Eight scouts are selected from these categories for learning to follow two commands—"attack" And "revert." At least one scout is selected from one category. All female scouts in the group are defenders. The results of the first lesson are as follows: At least: two of the scouts have learned to follow the "attack': command, but not the "revert" command. At least two of the.scouts have. learned to follow the "revert" command, but not the "attack" command. At least one of the scouts has learned to follow both commands. Among the eight scouts, only helpers have learned to follow the "revert" command. Q:If each scout has learned to follow at least one of the two commands, and if two of the scouts have teamed to attack but not revert, it could be true that:	A. two of the scouts are female B. all of the scouts are male C. only one male scout has learned to attack D. one female scout has learned to revert E. two of the scouts are defenders
16	Which of the following is false i B and D can be both on odd-numbered steps in one configuration ii In a particular configuration A and C must either both an odd numbered steps or both an even-numbered steps iii A person E can be on a step next to the vacant step . Q:Which of the following is false i B and D can be both on odd-numbered steps in one configuration ii In a particular configuration A and C must either both an odd numbered steps or both an even-numbered steps iii A person E can be on a step next to the vacant step	A. i only B. ii only C. iii only D. both i and iii
17	Study of many events have shown that families who install smoke detectors and own fire extinguishers have a reduced risk of losing a child in a house fire.Therefore,no family who installs smoke detectors and owns a fire extinguisher will lose a child in a house fire.Q-Which of the following the best criticism of the argument does not?	A. It differentiate between the two cause of house fires:cooking and heating. B. Take into account that families who buy smoke detectors are also more likely to purchase fire insurance. C. Take into account the possibility of losing a child in a house fire despite all precautionary measures. D. Cite the fact that smoke detectors have proven to be effective in waking sleeping children during a house fire. E. Indicate that fire extinguishers are effective during early stage of fire.
18	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 will yield a final arrangement in which Osaf and Lottie are in Room 2?	A. B,C,A B. B,A,A C. D,A,E D. B,C,E,A E. D,A,A,B
19	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 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 Veena performs first, which one of the following must be true?	A. Tahir performs sixth B. Ghias performs third C. Zafar performs seventh D. Tahir performs immediately after Yasin E. Waseem performs immediately after Ghias
20	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-3.If an orange wire and a pink wire must be among the wires chosen for a particular cable,any of the following pairs of wires could complete the cable EXCEPT a?	A. Black wire and a second orange wire. B. Purple wire and a second orange wire. C. Purple wire and a black wire D. Red wire and a purple wire E. Red wire and a black wire.