GAT-A Business and Engineering Analytical

Sr	Questions	Answers Choice
1	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.
2	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
3	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 Germany practice on Thursday,the England and the Dubai must practice on which days,respectively?	A. Sunday and Tuesday B. Saturday and Tuesday C. Friday and Wednesday D. Wednesday and Thursday E. Tuesday and Monday
4	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-On week,the Senegal practiced on Wednesday and the Dubai practiced the next day,That week,the Brazil must have practiced on?	A. Monday B. Tuesday C. Friday D. Saturday E. Sunday
5	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
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
	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	A. Akhter and Noman serve in consecutive months B. Noman and Hamid serve in

7	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?	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
8	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-If Bilal serves in May,what is the latest month in which Akhter,could serve?	A. March B. April C. January D. February E. June
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-If Noman serve in April,all of the following could be true except?	A. Akhter serves in January B. Hamid serves in March C. Bllal serves in May D. Bilal serves in June E. Hamid serves in June
10	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-In how many ways can the schedule be made up if Noman has to serve as Chairman in May?	A. 1 B. 3 C. 6 D. 4 E. 2
11	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 professors could serve as chairman in January?	A. Bilal B. Chohan C. Fraz D. Hamid E. Noman
12	A carrier must deliver mail by making a stop at each of six buildings: S,T,U,V,W and X,Mail to be delivered are of two types,ordinary mail and priority mail.The delivery of both types of mail is subject to the following conditions:Regardless of the type of mail to be delivered mail to W and mail to X must be delivered,mail to W and mail to X must be delivered before mail to U is delivered,Regardless of the type of mail to be delivered,mail to T and mail to S must be delivered before mail to X is delivered.Mail to buildings receiving some priority mail must be delivered,as far as the above conditions permit,before mail to buildings receiving only ordinary mail.Q-If only one buildings is to receive priority mail,and as a result,V can be no earlier than fourth in the order of buildings which of the following must be the building receiving priority mail that day?	A. S B. T C. U D. W E. X
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14	A carrier must deliver mail by making a stop at each of six buildings: S,T,U,V,W and X,Mail to be delivered are of two types,ordinary mail and priority mail.The delivery of both types of mail is subject to the following conditions:Regardless of the type of mail to be delivered mail to W and mail to X must be delivered,mail to W and mail to X must be delivered before mail to U is delivered,Regardless of the type of mail to be delivered,mail to T and mail to S must be delivered before mail to X is delivered.Mail to buildings receiving some priority mail must be delivered,as far as the above conditions permit,before mail to buildings receiving only ordinary mail.Q- If T,U and X are each receiving priority mail,which of the following lists the buildings in an order,from first through sixth,in which they can receive mail?	A. S,T,W,X,V,U B. T,S,V,W,X,U C. T,S,X,W,U,V D. U,T,X,W,S,V E. X,T,U,W,S,V
15	A carrier must deliver mail by making a stop at each of six buildings: S,T,U,V,W and X,Mail to be delivered are of two types,ordinary mail and priority mail.The delivery of both types of mail is subject to the following conditions:Regardless of the type of mail to be delivered mail to W and mail to X must be delivered,mail to W and mail to X must be delivered before mail to U is delivered,Regardless of the type of mail to be delivered,mail to T and mail to S must be delivered before mail to X is delivered.Mail to buildings receiving some priority mail must be delivered,as far as the above conditions permit,before mail to buildings receiving only ordinary mail.Q-If S is the only building receiving priority mail,which of the following lists the buildings in an order,from first through sixth,in which they can receive their mail?	A. T,S,W,X,V,U B. S,T,W,U,X,V C. S,T,W,U,X,V D. S,W,T,X,V,U E. V,S,T,W,X,U
	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	A. M B. N

16	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?	C. Q D. X E. Y
17	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-If P and M are both on the blue team,the yellow team can consist of which of the following?	A. N,O and Q B. N,X and Y C. O,Q and X D. O,Q and Y E. Q,X and Y
18	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 following can be the three members of the blue team?	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
19	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.
20	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
21	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-If it is raining then there must be clouds.Are there clouds?1. Today is Saturday.It is not raining2. It rained Friday.	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.
22	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.	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.
23	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-What day of the week is today?1.Today is December 25.2 Amjad left Pakistan on Monday.	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.
24	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 K and N are representatives then which of the following is not a representative?	A. Q B. R C. P D. None

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26	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 neither Q nor S is a representative then which of the following is a pair of teachers representatives?	A. K and L B. K and M C. K and N D. L and M
27	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 L is a representative then which of the following can be the other three representatives?	A. K,Q and S B. M,N and P C. M, P and Q D. N,p and S
28	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 P is a representative then which of the following CANNOT be a representative?	A. M B. N C. Q D. R
29	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
30	A city map representing roads M,N,O,P,Q and R.Link roads cannot have the same colour in the map.The roads link to each other are as under:Each M,N,P and Q has link to O.P has a link to Q.Each of M and N has a link to R.Which of the following is a pair of roads that can be the same colour?	A. M and N B. N and O C. O and P D. P and Q
31	A city map representing roads M,N,O,P,Q and R.Link roads cannot have the same colour in the map.The roads link to each other are as under:Each M,N,P and Q has link to O.P has a link to Q.Each of M and N has a link to R.Which of the following roads can be the same colour as O on the map?	A. N B. P C. Q D. R
32	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.
33	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-In Lahore Zoo,there are 37 deer.How many small black deer are there?1. 12 of deer are small.2. There are 20 black deer in the Zoo.	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.
		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

34	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-If M > N and O >P,then,M + O > N +P. Is S > T?1. S + A > T + B2. A > B	but 1.ALONE is not sufficient to answer this question, C. Statements 1 and2.COMBINED 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.
35	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.