

## GAT-B Arts, Humanities & Social Science Analytical

Sr	Questions	Answers Choice
1	<p>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 is on the blue team,which of the following if selected,must also be on the blue team?</p>	<p>A. M  <b>B. N</b>            C. Q            D. X            E. Y</p>
2	<p>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-The maximum number of wires that can be used in an acceptable is?</p>	<p>A. 6  <b>B. 7</b>            C. 8            D. 5            E. 4</p>
3	<p>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-Which of the following is a possible order of duty days for the four operators?</p>	<p>A. Cheema, Dar, Ali and Babar            B. Dar,Cheema, Ali and Babar  <b>C. Babar,Cheema,Dar and Ali</b>            D. Ali,Cheema,Dar and Babar            E. Ali,Babar,Dar and Cheema</p>
4	<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 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?</p>	<p>A. Akhter serves in January            B. Hamid serves in March            C. Bilal serves in May            D. Bilal serves in June  <b>E. Hamid serves in June</b></p>
5	<p>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?</p>	<p>A. K,Q and S            B. M,N and P  <b>C. M, P and Q</b>            D. N,p and S</p>
6	<p>Khan Fast Foods serves lunch Tuesday through Sunday.The restaurant is closed on Monday. Mutton karahi, chicken karachi, korma, fish fried, and vegetable are served each week based on the following conditions: Chicken karahi is served on three days each week, but never on Friday. Korma is served on one day each week.Fish fried is served on three days each week, but never on consecutive days. Chicken karahi and mutton karahi are both served on Saturday and Sunday.Vegetable is served five days each week.No more than three different foods are served on any given day. Q:Which of the following is true if fish fried is served on Saturday?</p>	<p>A. mutton karahi and fish fried are both served on Sunday            B. mutton karahi and chicken karahi are both served on Tuesday            C. Korma and chicken karahi are both served on Thursday            D. Vegetable and mutton karahi are both served on Saturday  <b>E. Korma and mutton karahi are both served on Friday</b></p>
7	<p>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. O:Of the nine individuals. the maximum number that can serve together on</p>	<p>A. 9            B. 8            C. 7  <b>D. 6</b>            E. 5</p>

- 8 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.
- 9 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
- 10 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 team 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, 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
- 11 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.
- 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 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.
- 14 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
- A. B  
 B. D  
 C. F  
 D. G

together

IV Since D and F have been competing for promotion they shouldn't be a team.

Q: If C is switched to the new office, which of the following cannot move to the new office

- 15 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: Room 1 : Latif and Lottie Room 2 : Mehak and Muts Room 3 : Osaf and Ony The 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
- 16 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
- 17 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 five 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
- 18 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 and Lubna are the only students who meet in the morning, then which of the following CANNOT be true?
- A. Farid meets in the evening  
B. Hamid meets in the afternoon  
C. Javed meets in the afternoon  
D. Nargis meets in the evening  
E. Majeed meets in the afternoon
- 19 Four captains and the first mates of three of them were to attend the annual meeting at headquarters. The captains were Luqman, Manzoor, Nauman, and Osaf, the mates were Ayesha, Durya, and Gia. Each person in turn delivered a report to the chairperson as follows: Each of the first mates delivered their report exactly after captain. The first captain to speak was Manzoor, and in Nauman spoke after him. (present the person with first letter of his name)
- Q: In case A is the third of the first mates to speak, and L is the captain whose first mate is not present, which among the following statements must be true?
- A. A spoke sometime before L  
B. D spoke sometime before O  
C. L spoke sometime before O  
D. O spoke sometime before L  
E. O spoke sometimes before N
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- A. Morning: Farid, Gia, Nargis; Afternoon: Hamid; Javed; Evening: Kamran, Lubna, Majeed

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- B. Morning: Javed; Afternoon: Farid, Gia, Hamid, Lubna, Majeed, Nargis; Evening: Kamran  
C. Morning: Gia, Majeed; Afternoon: Hamid, Javed, 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