

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

Sr	Questions	Answers Choice
1	<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.</p> <p>Q: Of the nine individuals, the maximum number that can serve together on committee C is</p>	A. 9 B. 8 C. 7 D. 6 E. 5
2	<p>A home furniture dealer has seven luxury sofas in his showroom: a Z, a Y, a X, a W, a V, a U and a T. The dealer must place the sofas in one of seven showroom spaces that are numbered 1-7 from left to right. Each showroom space must be filled with exactly one sofa. The following conditions apply to the placement of the sofas in the showroom:</p> <p>1 X must not be placed in a space adjacent to W.  2 Z must be placed in a space adjacent to T.  3 Y must be placed in the first or the last space. If V is placed in the third space, then W must be placed in the fifth space</p> <p>Q: Which of the following is an acceptable placement of the sofas in the showroom spaces from one to seven?</p>	A. Z, T, V, X, W, U, Y B. Y, X, V, U, W, Z, T C. X, Y, U, W, T, Z, V D. Y, Z, V, U, W, T, X E. U, X, V, T, Z, W, Y
3	<p>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 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:</p> <ul style="list-style-type: none"> <li>(i) Book-keepers X and Z are constantly finding faults with one another therefore should not be sent together to the new office.</li> <li>(ii) Z and N function well alone but not as a team. They should be separated.</li> <li>(iii) M and P have not been on speaking terms for many months they should not go together.</li> <li>(iv) Since M and O have been competing for a promotion they should not be in one team.</li> </ul> <p>Based on the above information find the correct answers to the following questions: Q: If Z is sent to the new office then which member of the staff CANNOT be sent?</p>	A. N B. Y C. O D. P
4	<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 N) are sports teachers whereas the other four (P, Q, R and S) 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 representative then L cannot be a representative. Q: If P is a representative then which of the following CANNOT be a representative?</p>	A. M B. N C. Q D. R
5	<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 in the 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?</p>	A. Bilal B. Chohan C. Fraz D. Hamid E. Noman
6	<p>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 woman 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?</p>	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
7	<p>The customer complaint department of a chain of departmental stores firm employs exactly six people who answer letters: A, B, C, D, E and F. Every complaint letter received by the departmental is classified as either Red or Blue. The procedures for answering the letter are: Red letters are given first to A or B. Blue letters are given first to anyone of the following: A, D or C. If a letter raises a problem that cannot be resolved by the person to whom it is given, it must be forwarded until it reaches someone who can resolve the problem and answer the letter. A letter must be forwarded as follows: By A to C if the letter is Red, but to D if the letter is Blue; By B to either A or C; By C to D if the letter is Red, but to E if the letter is Blue; By D to either C or E whether the letter is Red or Blue; By E to F whether the letter is Red or Blue. F answers every letter given to him. A blue letter could reach F via which of the following sequences of people?</p>	A. A to B to E B. A to C to D C. A to D to E D. C to B to D E. C to A to D to E  A. Altruism is society's greatest strength. B. The forces of good will ultimately

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themselves. Personal advancement is the sole motivating force in our world. This is not to say that individuals are never 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- Which statement would most strongly contradict the author's attitude towards society?

- C. Our short-term actions may ostensibly contradict our long-term goals
- D. We must all learn the art of selfishness.
- E. Morality is the bedrock of a growing community.

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 office for Mr. Mujahid would be

- A. B
- B. F
- C. A
- D. C
- E. D

10

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- A. 5
- B. 4
- C. 3
- D. 2
- E. 1

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, casts 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.

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

Individual members from animal species are to be chosen from a special exhibit habitat. The eight species are A, B, C, D, E, F, G and H. Because of the way these animals interact, certain guidelines must be followed. Animals that will fight cannot be placed in the habitat together. Members of species G will fight with members of species D, E and F. A member of species C will fight with a member of species B, but only if a member of species G is present. If a member of species H is present, a member of species A will not fight with any animal. If a member of species N fights other than those described above will occur. Q- If G is chosen for the habitat, which of the following CANNOT also be chosen?

- A. A
- B. B
- C. E
- D. C
- E. H

14

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 mathematics and everyday facts. Q- How much time will a computer need to solve 150 problems?

- 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 TOGETHER are NOT sufficient to answer the question and additional information is needed to find the correct answer.

15

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. 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

16

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

17

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: Which of the following statements CANNOT be true?

- C. Some F's are B's  
D. No G's are A's

18

The microwave oven has become a standard appliance in many kitchens, mainly because it offers a fast way of cooking food. You some homeowners believe that the ovens are still not completely safe. Microwave, therefore, should not be a standard appliance until they are more carefully researched and tested. Q: Which of the following if true would most weaken the conclusion of the passage above?

- A. Those homeowners in doubt about microwave safety ought not to purchase microwaves.  
B. Homeowners often purchase items despite knowing they may be unsafe.  
C. Research and testing of home appliances seldom reveals safety hazards.  
D. Microwaves are not as dangerous as steam iron, which are used in almost every home.  
E. Homeowners often purchase items that they do not need.

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 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.

20

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 B ON..

In case switches A and B are the only switches ON in the default setting, then turn switch C ON. 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 only switch B is ON in the default setting, what must be the second setting?

- A. AON,BON,CON  
B. AON,BON,COFF  
C. AOFF,BOFF,CON  
D. AOFF,BOFF,COFF  
E. AOFF,BOFF,COFF