

GAT-B Arts, Humanities & Social Science Analytical

Sr	Questions	Answers Choice
1	<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 black --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. 7 C. 8 D. 5 E. 4</p>
2	<p>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 selected 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-If L, M and P are three of the models selected for the street, then which of the following must be the order two models selected?</p>	<p>A. N and O B. N and Q C. N and R D. O and Q E. Q and R</p>
3	<p>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?</p>	<p>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</p>
4	<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: (i) Book-keepers X and Z are constantly finding faults with one another therefore should not be sent together to the new office. (ii) Z and N function well alone but not as a team. They should be separated. (iii) M and P have not been on speaking terms for many months they should not go together. (iv) Since M and O have been competing for a promotion they should not be in one team. Based on the above information find the correct answers to the following questions: Q-If X is to be moved as one of the book-keepers, which of the following CANNOT be a possible working unit?</p>	<p>A. X Y M N Q B. X Y N O Q C. X Y M P Q D. X Y N P Q</p>
5	<p>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 together IV Since D and F have been competing for promotion they shouldn't be a team. Q: Which of the following must switched to the new office</p>	<p>A. B B. D C. E D. G</p>
6	<p>Multan Institute of Higher Studies plans to show five educational films A, B, C, D, and E to a group of students. The film shows are planned in an order, which conforms to the following conditions: A must be shown earlier than C. B must be shown earlier than D.</p>	<p>A. A, C, B, D, E B. A, C, D, E, B C. B, D, C, A, F</p>

E should be the fifth film shown.

Q: Which among the following is an acceptable order for showing the educational films?

- D. B, D, E, A, C
- E. E, B, C, A, D

7 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: (i) Book-keepers X and Z are constantly finding faults with one another therefore should not be sent together to the new office. (ii) Z and N function well alone but not as a team. They should be separated. (iii) M and P have not been on speaking terms for many months they should not go together. (iv) Since M and O have been competing for a promotion they should not be in one team. Based on the above information find the correct answers to the following questions: Q- If Y insists on staying back then how many combinations are possible?

- A. 3
- B. 2
- C. 1
- D. None

8 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 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?

- A. B
- B. D
- C. F
- D. G

9 Each of the following problems has a question and two statements which are 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.

10 Travelling by cars is safer than travelling by planes. About 80% of plane accidents result in death of all passengers, while about 1% of car accidents result in death. Q. Which of the following if true would most seriously weaken the argument above?

- A. Pilots are more trained than car drivers are.
- B. Speed of car is lesser than that of planes.
- C. The number of car accidents is several thousand times higher than the number of plane accidents.
- D. Car carriers less number of passengers.
- E. Planes are inspected by experienced engineers before flying.

11 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 to the following conditions: Q- How many different committees could include Mr. A and N?

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

12 The value of a close examination of the circumstances of an aircraft accident lies not only in fixing blame but in learning lessons. Q. The above statement fits most logically into which of the following types of passages?

- A. A survey of the "scapegoat phenomenon" in modern society.
- B. An argument in favour of including specific details in any academic essay.
- C. An argument against the usefulness of the National Transportation Safety Board.
- D. A brief history of aeronautics.
- E. A description of the causes of a particular aircraft accident.

13 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. If P refuses to sit next to M, which necessarily follows? I. N must sit next to M. II. Q and R are two seats apart. III. Q and S are both next to N.

- A. I only
- B. II only
- C. III only
- D. I and II only
- E. II and III only

A. Statement X. ALONE is sufficient but Y. ALONE is not sufficient to

- 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 computer need to solve 150 problems?
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 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 to 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 answer every letter given to him. Q-Any letter that reaches F must have been given to a minimum of how members of the customer complaint department before reaching F?
- The primary evil of today's society is selfishness. People are concerned only with 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-To fill in the blanks in the above passage, select one of the options from the below mentioned options?
- 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-If Cheema has his duty day on Saturday, who must have his duty day on Thursday?
- Multan Institute of Higher Studies plans to show five educational films A, B, C, D, and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:
A must be shown earlier than C.
B must be shown earlier than D.
E should be the fifth film shown.
Q: In case B, D and E are to be shown one after the other in the given order, the position from first to fifth in which A could possibly be shown is
- Nine athletes attend a sports banquet at Iqbal Stadium, Lahore. Three of the athletes--A, B and C--are varsity football players, two of the athletes---D and E--are varsity basketball players. The other four athletes--L, M, N, and O--belong to the hockey club. All nine athletes will be seated at three small tables, each seating three athletes. The athletes must be seated according to the following rules: L and A do not sit at the same table. M sits together with at least one of B or D. There can be at most only one football player at a table. There can be at most only one basketball player at a table. Q-Which trio could sit together?
- 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 four of the scouts are male and four of the scouts are female, all of the following must be true EXCEPT:
- but 1. 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.
- A. 5
B. 4
C. 3
D. 2
E. 1
- A. We are always trying to undermine other's endeavours.
B. My uncle Hamid used to help me with my math homework.
C. No one can be trusted, not even close friends.
D. There are many occasions when we graciously offer our assistance.
E. Our yearning for power prevents us from understanding our existential purpose.
- A. Either Ali or Dar
B. Dar
C. Ali
D. Either Babar or Dar
E. Babar
- A. first
B. second
C. third
D. fourth
E. fifth
- A. M, O and L
B. D, E and L
C. B, E and L
D. B, D and L
E. A, N and L
- A. One of the scouts is a striker
B. Four of the scouts are defenders
C. Three of the scouts are helpers
D. Three of the scouts have learned to revert
E. Four of the scouts have learned to attack