

GAT-B Arts, Humanities & Social Science Analytical

| Sr | Questions | Answers Choice |
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| 1 | <p>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.</p> <p>Q:If Usman performs third, what is the latest position in which Yasin can perform?</p> | <p>A. First B. Second C. Fifth D. Sixth E. Seventh</p> |
| 2 | <p>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 BON.. In case switches A and B are the only switches ON in the default setting, then turn switch CON. 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.</p> <p>Q:In case in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting?</p> | <p>A. AON, BON, CON B. AON, BOFF, CON C. AON, BOFF, COFF D. AOFF, BON,COFF E. AOFF,BOFF,CON</p> |
| 3 | <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.</p> <p>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 E. Korma and mutton karahi are both served on Friday</p> |
| 4 | <p>Researchers have found an inactive virus in dry bread.In previous experiments,researchers found that inactivated viruses could convert healty cells into cancer cells.It can be concluded that the use of dry bread can casue cancer.Q-Which one of the following if true most seriously weakens the argument?</p> | <p>A. The result of many studies about the same topic were consistent. B. Many other ingredients dry bread can neutralize the effect of inactive virus. C. Many of cancer patients confirmed the use of dry bread. D. Ten percent of rural population use dry bread E. Inactive virus cannot be killed by any medicine.</p> |
| 5 | <p>Six scientists A,B,C,D,E and F are to present a paper each at a one-day conference. Three of them will present their papers in the morning session before the lunch break whereas the other three will be presented in the afternoon session. The presentations have to be scheduled in such a way that they comply with the following conditions: B should present his paper immediately before C's presentation; their presentations cannot be separated by the lunch break. D must be the first or the last scientist to present his paper.</p> <p>Q: If F is to present his paper immediately after D,C could be scheduled for which of the following places in the order of presenters?</p> | <p>A. First B. Second C. Third D. Fourth E. Fifth</p> |
| 6 | <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 select 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 model M is one of the models selected for the street,then which of the following models must also be selected?</p> | <p>A. L B. O C. P D. Q E. R</p> |
| | <p>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 BON..</p> | <p>A. Aborn B type male doing job in R type B. ...</p> |

- 7 The city council in a modernized country devises a new employment scheme for locales. Based on this scheme, both men and women are categorized to R and B types. No person can do job in his own type. If a man gets job, he becomes a part of his employer's type but if a woman gets job she retain her own type. Children belong to the same type as their fathers. If a male is terminated, he resigned from the job or is retired; he reverts to the type of his birth. More than one job at a time is not permitted. If a man gets married, his type is converted to the type of his wife.
Q: Which of the following is not conformable to the rules
- B. Daughter of born B type retired male is doing job in B type
C. Son of born B type retired male is doing job in R type
D. Son of on job born B type male is working job in B type
E. A born B type male whose wife is of R type is doing job in B type
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- 8 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?
- 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
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- 9 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, all of the following must be EXCEPT:
- A. All defenders have learned to attack
B. All strikers have learned to attack
C. All helpers have learned to revert
D. No defender has learned to revert
E. No striker has learned to revert
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- 10 Six scientists A, B, C, D, E and F are to present a paper each at a one-day conference. Three of them will present their papers in the morning session before the lunch break whereas the other three will be presented in the afternoon session. The presentations have to be scheduled in such a way that they comply with the following conditions:
B should present his paper immediately before C's presentation; their presentations cannot be separated by the lunch break. D must be the first or the last scientist to present his paper.
Q: In case C is to be fifth scientist to present his paper, then B must be
- A. First
B. Second
C. Third
D. Fourth
E. Sixth
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- 11 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?
- 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.
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- 12 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, C is shown earlier than E, which among the following will hold true?
- A. A is the second film shown
B. B is the second film shown
C. C is the third film shown
D. D is the fourth film shown
E. E is the fourth film shown
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- 13 Three men (Tahir, Pervaiz, and Javed) and three women (Elena, Ayesha, and Kiran) are spending a few months at Abbottabad. They are to stay in a row of nine cottages, each one living in his or her own cottage. There are no others staying in the same row of houses.
I Ayesha, Tahir, and Javed do not want to stay in any cottage, which is at the end of the row.
II Elena and Ayesha are unwilling to stay besides any occupied cottage.
III Kiran is next to Pervaiz and Javed.
IV Between Ayesha and Javed's cottage there is just one vacant house.
V None of the girls occupies adjacent cottages.
VI The house occupied by Tahir is next to an end cottage.
Q: Which of the above statements can be derived from two other statements?
- A. Statement 1
B. Statement 2
C. Statement 3
D. Statement 5
E. Statement 6
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- 14 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
- A. 1
B. 3
C. 4
D. 6
E. -

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?

E. 2

15

All R's are either P's or Q's.All P's are R's.All Q's are R's.No Y's are Z's.Some Q's are Z's.Not all Z's are R's.Q-If all X's are either P's or Q's,then which of the following is necessarily false?

- A. All X's are R's
- B. All P's are X's
- C. Some Q's are X's
- D. All X's are H's
- E. All Z's are X's

16

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-How many acceptable groupings articles include O?

- A. One
- B. Two
- C. Three
- D. Four
- E. Five

17

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 No fights other than those described above will occur.If two other animals are to be added to a habitat containing a member of species B and a member of species G in the habitat,which of the following could be those two animals?

- A. Members of species H and A
- B. Members of species C and A
- C. Members of species D and H
- D. Members of species H and C
- E. Members of species F and C

18

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 D goes to the new office, which of the following is/are true
- I C cannot go
 - II A cannot go
 - III H must also go

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

19

All good athletes want to win,and all athletes who want to win eat a well-balanced diet,therefore,all athletes who do not eat a well-balanced diet are bad athletes.Q-If the assumptions of the preceding argument are true,then which of the following statements must be true?

- A. No bad athlete wants to win.
- B. No athlete who does not eat a well-balanced diet is a good athlete.
- C. Every athlete who does not eat a well-balanced diet is a good athlete.
- D. All athletes who want to win are good athletes.

20

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 both Z and O are moved to the new office,how many combinations are possible?

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