

## GAT-A Business and Engineering Analytical

Sr	Questions	Answers Choice
1	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-Which is inconsistent with the above set of statements? I. Some Z's are P's. II. Some Z's are Q's. III. Some Z's are neither P's nor Q's. IV. All Y's are P's. V. Some Z's are Y's	<p>A. I and V only</p> <p>B. II and V only</p> <p>C. II and III only</p> <p>D. IV only</p> <p>E. V only</p>
2	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-5. Which of the following could not be true? I. No Y's are R's. II. No Y's are P's. III. No Z's are R's. IV. No Y's are Q's	<p>A. I only</p> <p>B. II only</p> <p>C. III only</p> <p>D. IV only</p> <p>E. I and IV only</p>
3	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. Q-If D, A and C are chosen for the habitat, which of the following must also be chosen?	<p>A. H</p> <p>B. G</p> <p>C. F</p> <p>D. E</p> <p>E. B</p>
4	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 habitats are setup, one containing members of species A, B, H and G, and the other containing members of species D, F, C and E, which animals could be switched one for the other without provoking any fights?	<p>A. Species H and F</p> <p>B. Species B and C</p> <p>C. Species A and C</p> <p>D. Species G and D</p> <p>E. Species H and E</p>
5	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?	<p>A. Members of species H and A</p> <p>B. Members of species C and A</p> <p>C. Members of species D and H</p> <p>D. Members of species H and C</p> <p>E. Members of species F and C</p>
6	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. Q-If G is chosen for the habitat, which of the following CANNOT also be chosen?	<p>A. A</p> <p>B. B</p> <p>C. E</p> <p>D. C</p> <p>E. H</p>
7	Travelers may enter and remain in the republic for up to 57 days. If a travelers are to stay for more than seven days, however, a special visa is required. Q-10. If the statements above are true, which of the following must also be true?	<p>A. Travelers who are staying in the Republic for 15 days must have a special visa.</p> <p>B. Many travelers who any stay in the Republic do not need visa.</p> <p>C. Some travelers who stay in the Republic for more than seven days do not have to appropriate visas.</p> <p>D. Travelers who stay less than seven days in the Republic do not need visas.</p>
8	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. Q-Which of the following is necessarily true?	<p>A. The linear distance from S to R is greater than the linear distance from N to M.</p> <p>B. The linear distance from P to Q is equal to the linear distance from M to N.</p> <p>C. The linear distance from R to M is equal to the linear distance from P to S.</p> <p>D. The linear distance from M to Q is equal to the linear distance from P to M.</p> <p>E. The linear distance from R to S is</p>

E. The linear distance from R to S is equal to the linear distance from P to Q.

9	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 refuse to sit next to M,which necessary 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
10	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.Q-Which of the following must be true?I.P must be seated next to Q.II.P must be seated next to S.III.M and Q are separated by one seat.	A. I only B. II only C. III only D. II and III only E. Neither I,II or III
11	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-If exactly one black wire and exactly one orange wire are used in an assembled cable,which of the following must be true?	A. The cable contains no more than five wires. B. The cable contains a purple wire. C. The cable does not contain a pink wire. D. The cable does not contain a red wire. E. The cable contains exactly six wires.
12	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-If an assembled cable consists of exactly five wires,each a different colour,it could be true that a colour NOT used is?	A. Orange B. Purple C. Red D. Green E. Black
13	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-If there us an additional requirement that pink must be used if purple is used,which of the following must be true?	A. No cable contains fewer than six cables. B. Red is always used if pink is used. C. Black is used exactly once if purple is used. D. Green is never used if red is used. E. No cable contains more than five wires.
14	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-3.If an orange wire and a pink wire must be among the wires chosen for a particular cable,any of the following pairs of wires could complete the cable EXCEPT a?	A. Black wire and a second orange wire. B. Purple wire and a second orange wire. C. Purple wire and a black wire D. Red wire and a purple wire E. Red wire and a black wire.
15	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?	A. 6 B. 7 C. 8 D. 5 E. 4
16	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-Which of the following could be the complete set of wires in an acceptable cable?	A. A green wire,an orange wire,and a pink B. A pink wire,a black wire,and an orange wire. C. A red wire a black wire and a green wire. D. A purple wire and exactly two black wires. E. Exactly two black wires and exactly two orange wires
17	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 one of the following,if true,would most strengthen the conclusion of the passage above?	A. Modern homeowners have more free time than ever before. B. Food preparation has become almost a science,with more complicated and involved recipes. C. Homeowners often doubt the advertised safety of all new appliances. D. Many microwave ovens have been found to leak radioactive elements. E. Speed of food preparation is not the only concern of today's

the only concern of today's homeowner.

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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

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-Which statement would most strongly contradict the author's attitude towards society?

- A. Altruism is society's greatest strength.
- B. The forces of good will ultimately triumph over evil.
- 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.

20

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- 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.

21

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 of the following pairs will not sit with P?

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

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- A. A is sitting with a basketball player.
- B. Exactly one hockey player is sitting at C's table.
- C. No hockey players sit at one tables.
- D. A basketball player is sitting with L.
- E. A football player sits with two hockey players.

23

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- A. B with L and O, C with E and M
- B. B with M and N, C with L and O
- C. B with O and D, E with N and O
- D. C with E and L, B with N and O
- E. L with M and N, B with E and O

24

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- 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

25

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- A. B with D and L
- B. B with E and L
- C. A with P and L
- D. A with B and E
- E. D with E and M

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- A. M, N
- B. M, O

26	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-Suppose just one varsity athlete sits at a certain table,and that athlete happens to be A.If so,who else sits with A?	<p> C. N,O  D. L,N  E. L,M </p>
27	Ishfaq Ahmed disparaging reviews of the book call his abilities as a circle into question since the book became an immediate best-seller.Which of the following,if true,would most weaken the author's questioning of Ashfaq's critical ability?	<p> A. Immediate success of books is quickly forgotten.  B. Book critics often disagree with each other.  C. Sales of a book are not always indicative of its value.  D. Critics often changes their views about books.  E. The significance of a book is not known for years. </p>
28	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?	<p> 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. </p>
29	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-Which of the following if true,would refuse the assumptions of the argument above?	<p> A. Fatima wants to win,but she is not a good athlete.  B. Rizwan,the accountant,eats a well-balanced diet,but he is not a good athlete.  C. All the players on the Zeeshan baseball team eat a well-balanced diet.  D. No athlete who does not eat a well-balanced diet wants to win.  E. Sonia,the basketball star,does not eat a well-balanced diet,but she is a good athlete. </p>
30	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?	<p> 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. </p>
31	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 fire 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-If M is chosen for the issue,which of the following must be true?	<p> A. O is not chosen  B. N is not chosen  C. Exactly three dance articles are chosen  D. L is not chosen  E. All four of the dance articles are chosen </p>
32	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 fire 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?	<p> A. L  B. M  C. O  D. X  E. Y </p>
33	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 fire 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?	<p> A. One  B. Two  C. Three  D. Four  E. Five </p>
34	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 fire 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?	<p> A. L  B. M  C. N  D. O  E. W </p>
35	Plant P thrives in environments of great sunlight and very little moisture.Desert D is an environment with constant,powerful sunlight and next-to-no moisture.Although Plant P Thrives in the areas surrounding Desert D,it does not exist naturally in the desert,nor does it survive long when introduced there.Which of the following would be most useful in explaining the apparent discrepancy above?	<p> A. For one week in the fall,Desert D gets consistent rainfall.  B. The environment around Desert D is ideally suited to the needs of Plant P.  C. Due to the lack of sufficient moisture,Desert D can support almost found in Desert D.  D. Plant P cannot survive in temperatures as high as those normally found in Desert D.  E. Desert D's climate is far too harsh </p>

2. Do you think the estimate is too high  
for the animals that normally feed on  
Plant P.