GAT-C Agriculture, Veterinary, Biological & Related Science Analytical

Sr	Questions	Answers Choice
1	Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand containing Mathia must also have equal quantity of Oxia. A single brand never contains Novajana as well as Oxia. Oxia and Piask should not be used together. A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tea leaves. Q: Among the following, which can be made agreeable by the eliminating some or all of one type of tealeaves?	A. One part Livana, one part Mathia, one part Novajania, four parts Piask B. One part Livana, two parts Novajania, one part Oxia, four parts Piask C. One part Livana, one part Mathia, one part Oxia, one part Piask D. Two parts Livana, two parts Novajania, one part Oxia, two parts Piask
2	Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand containing Mathia must also have equal quantity of Oxia. A single brand never contains Novajana as well as Oxia. Oxia and Piask should not be used together. A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tea leaves. Q: Among the following, the addition of which combination would make a brand containing two parts Novajana and one part Piask confromable with the conditions.	A. One part Livana B. One part Mathia C. Two parts Novajana D. One parts Oxia E. Two parts Piask
3	Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand containing Mathia must also have equal quantity of Oxia. A single brand never contains Novajana as well as Oxia. Oxia and Piask should not be used together. A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tea leaves. Q: Adding more amount of Novajana will make which of the following brands conformable with the conditions?	A. One part Livana, one part Novajana, five parts Piask B. Two parts Mathia, two parts Novajana, two parts Piask C. One part Mathia, one part Novajana, one part Piask D. Two parts Mathia, one part Novajana, four parts Piask
4	Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand containing Mathia must also have equal quantity of Oxia. A single brand never contains Novajana as well as Oxia. Oxia and Piask should not be used together. A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other tea leaves. Q:Among the following which is an acceptable brand in accordance with the rules?	A. One part Livana, one part Piask B. Two parts Mathia, two parts Livana C. Three parts Novajana, three parts Livana D. Four parts Oxia, four parts Mathia
5	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 AthroughF. 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 markedE, 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.Fauziarequires 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
6	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 AthroughF. 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 markedE, 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.Fauziarequires non-smoker neighbors. Unless specifically stated all the employees maintain an atmosphere of silence during office hours. Q: The three employees who are smokers should be seated in the offices	A. A,B and D B. B,C and F C. A,B and E D. A, B and C
7	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 AthroughF. 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 markedE, 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.Fauziarequires non-smoker	A. Mrs.Fauzia B. Mr.Mujahid C. Mr.Shahid D. Mr.Abid

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

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8

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 nest to an end cottage.
Q: Which among these statement(s) are true?
I Ayesha is between Elena and Javed
II At the most four persons can have occupied cottages on either side of them
III Tahir stays besides Pervaiz

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

9

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.
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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 nest to an end cottage.
Q: How many of them occupy cottages next to a vacant cottage?

A. 2
B. 3
C. 4
D. 5
E. 6

10

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.
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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 nest 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

11

An island, five kilometers away in the sea is connected to the land by two ways, three hanging bridges A, B, and C and three water routes 1,2 and 3.The managing authority offers services to people for coming in and for going out by officially managed vehicles on both ways. When it snows, morning service on B is delayed. When it rains or snows, service on A, route 2 and route 3 are delayed in both the morning and afternoon When temperature falls below 30 degrees Fahrenheit afternoon service is cancelled on either A or on the route 3, but not both.When the temperature rises over 90 degrees Fahrenheit, the afternoon service is cancelled in either on C or on the route 3 but not both.When the service on A is delayed or cancelled, service on the C, which connects A is delayed.When service on the router 3 is cancelled, service on B, which connects the route 3 is delayed.
Q:On which of the following occasions would maximum number of services be disrupted

A. A snowy afternoon with the temperature at 45 degree Fahrenheit
B. A snowy morning with the temperature at 45 degree Fahrenheit
C. a rainy afternoon with the temperature at 45 degree Fahrenheit
D. A rainy afternoon with the temperature at 95 degree Fahrenheit

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12

An island, five kilometers away in the sea is connected to the land by two ways, three hanging bridges A, B, and C and three water routes 1,2 and 3.The managing authority offers services to people for coming in and for going out by officially managed vehicles on both ways. When it snows, morning service on B is delayed. When it rains or snows, service on A, route 2 and route 3 are delayed in both the morning and afternoon When temperature falls below 30 degrees Fahrenheit afternoon service is cancelled on either A or on the route 3, but not both.When the temperature rises over 90 degrees Fahrenheit, the afternoon service is cancelled in either on C or on the route 3 but not both.When the service on A is delayed or cancelled, service on the C, which connects A is delayed.When service on the router 3 is cancelled, service on B, which connects the route 3 is delayed.
Q: On August 15th with the temperature at 97 degrees Fahrenheit, it begin to rain at 1 PM. What is the minimum number of services will be affected?

A. 2
B. 3
C. 4
D. 5

An island, five kilometers away in the sea is connected to the land by two ways, three hanging bridges A, B, and C and three water routes 1,2 and 3.The managing authority offers services to people for coming in and for going out by officially managed vehicles on

13	...offers services to people for coming in and for going out by officially managed vehicles on both ways. When it snows, morning service on B is delayed. When it rains or snows, service on A, route 2 and route 3 are delayed in both the morning and afternoon When temperature falls below 30 degrees Fahrenheit afternoon service is cancelled on either A or on the route 3, but not both. When the temperature rises over 90 degrees Fahrenheit, the afternoon service is cancelled in either on C or on the route 3 but not both. When the service on A is delayed or cancelled, service on the C, which connects A is delayed. When service on the router 3 is cancelled, service on B, which connects the route 3 is delayed. Q:On February 10th, with the temperature at 15 degree Fahrenheit, it snows all day. On how many services be affected, including both morning and afternoon.	A. 2 B. 3 C. 4 D. 5
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 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
15	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	A. B B. D C. E D. G
16	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
17	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 and F are switched to the new office, how many combination are possible	A. 1 B. 2 C. 3 D. 4
	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	

18	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: A majority of directors favored A to work as an accountant in the new office which of the following cannot be a possible working unit.	A. ABDEH B. ABDGH C. ABEFH D. ABEGH

19	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: If F and E are the fifth and sixth presenters respectively then which of the following must be true?	A. A is first in the order of presenters B. A is third in the order of presenters C. A is fourth in the order of presenters D. B is first in the order of presenters E. C is fourth in the order of presenters

20	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: 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?	A. First B. Second C. Third D. Fourth E. Fifth

21	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: B could be placed for any of the following places in the order of presenters EXCEPT	A. First B. Second C. Third D. Fourth E. Fifth

22	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

23	A city wagon has exactly sis stops on its route, The wagon first stops at stop one and then at stops two, three, four,five, and six respectively. After the wagon leaves stop six, the bus turns, returns to stop one, and repeats the cycle.The stops of the wagon are named as L,M.N,O,P and Q. P is the third stop.M is the sixth stop. The stop O is the stop immediately before Q. N is the stop immediately before L. Q:If N is the fourth stop, which among the following must be the stop immediately before P.	A. O B. Q C. N D. L E. M

24	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?	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

25	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.	A. Tuesday, Thursday B. Tuesday, Wednesday, Thursday C. Monday,Tuesday,Wednesday D. Tuesday, Wednesday,Thursday, Friday E. Tuesday, Wednesday, Thursday

	Q: Which of the following is a list of the days on which chicken karahi and korma may both be served?	E. Tuesday,Wednesday,Thursday, Saturday
26	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: On which of the following pairs of days could the restaurant's menu of foods be identical?	A. Friday and Sunday B. Tuesday and Wednesday C. Saturday and Sunday D. Wednesday and Friday E. Thursday and Frinday
27	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.. 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	A. Aborn B type male doing job in R type 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
28	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: A male born B type and employed now may have	A. A daughter doing job in R type B. A born B type son C. A son doing job in R type D. A born B type daughter E. An uncle in either group
29	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: AB type female could have had I Agrandfather born R type II Agrandmother born R type III Her mother born R type	A. I only B. III only C. I,II and III D. I and II only
30	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. Q: In case, all the three switches are ON in the second setting, which among the following could have been the default setting?	A. AON,BON,CON B. AON,BON,COFF C. AON,BOFF,CON D. AON,BOFF,COFF E. AOFF,BON,COFF
31	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. 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
32	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.	A. AON, BON, CON B. AON, BOFF, CON C. AON, BOFF, COFF D. AOFF, BON,COFF E. AOFF,BOFF,CON

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?

| 33 | Four captains and the first mates of three of them were to attend the annual meeting at head quarters. 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: Among the following statements, which would make M, D, N, G, L, O, A the only possible sequence of speakers? | A. D is M's first mate; G is N's first mate A is O's first mate B. D is M's first mate; G is N's first mate; A was the second to speak after L. C. The order of the first four speakers was M,D,N,G D. The order of the last three speakers was L,O,A E. The order in which the captains spoke was M,N,L,O |

| 34 | Four captains and the first mates of three of them were to attend the annual meeting at head quarters. 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 spoke immediately after L and immediately before O, and O was not the last speaker Lspoke | A. second B. third C. fourth D. sixth |

| 35 | Four captains and the first mates of three of them were to attend the annual meeting at head quarters. 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. (Represent the person with first letter of his name) Q:Among the following statements, which statement must be true? | A. In case the second speaker was a captain was a first mate B. In case the second speaker was a first mate, the seventh speaker was a captain C. In case the third speaker was a first mate, the seventh speaker was a captain D. In case the third speaker was a captain, the seventh speaker was a first mate E. In case the seventh was a first mate, the first and third speakers were captains |