

NAT II Physical Science Analytical

Sr	Questions	Answers Choice
1	Selfishness is a principal evil in our society. Every person is concerned with only himself. Personal advancement is the only motivating force in the world today. This does not mean that individuals are not willing to help one another, on the contrary,	A. Fauzia has fewer marks than Shugufta. B. Rizwana has more marks than Shugufta C. Fauzia has fewer marks than Zahid. D. Zahid has more marks than Rizwana. E. Zahid has more marks than Abid.
	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 on living in his or her own cottage. There are no others staying in the same row of cottages. 1. Ayesha, Tahir and Javed do not want to stay in any cottage, which is at the end of the row.	
	Elena and Ayesha ar unwilling to stay besides my occupied cottage.	A. 2 B. 3
2	S. Kiran is next to Pervaiz and Javed.	C. 4 D. 5
		E. 6
	Between Ayesha and Javed's cottage there is just one vacant house.	
	5. None of the girls occupies adjacent cottages.	
	6. The house occupied by Tahir is next to an end cottage.	
	Q: How many of them occupy cottages next to a vacant cottage?	
3	Follow us to the real Pakistan leaving behind the disturbances of civilization. Real Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still spacious, sprawling, and majestic. Experience the freedom and serenity still to be found in	A. A person is not a voluntary agent, if he acts by reason of ignorance and repents. B. If an action is done by reason of ignorance and is bot voluntary, then it was repented. C. a man is an involuntary agent, if he acts by reason of ignorance. D. Some actions are either involuntary or not voluntary. E. If a man is not voluntary agent, he acted because of ignorance and repents.
4	Follow us to the real Pakistan leaving behind the disturbances of civilization. Real Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still spacious, sprawling, and majestic. Experience the freedom and serenity still to be found in	A. There are no future contingent things. B. It is not true that the king has knowledge of only necessary things. C. The king has knowledge of no contingent future things. D. It is not possible for us to know the king. E. The king has knowledge of everything.
5	Follow us to the real Pakistan leaving behind the disturbances of civilization. Real Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still spacious, sprawling, and majestic. Experience the freedom and serenity still to be found in Q: The above paragraph is most likely to appear in which of the following?	A. A Guide to Pakistan's intinsic beauty B. Exploring the Great Outdoors C. The Quiet Beauty of Harappa D. how the Eagle Became Extinct E. Returning to Pakistan

serve on three committees labeled A, B and C. Each candidate should serve on exactly one of the committees. A. W and S Committee A should consist of exactly one member more than that of committee. B. V and U C. V and T 6 It is possible that there are no members of committee C. Among Z, Y and X none can D. U and S E. T and S 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. Q: In case R is the only individual serving on committee B, which among the following should serve on committee A? Selfishness is a principal evil in our society. Every person is concerned with only A. People should not be held himself. Personal advancement is the only motivating force in the world today. This accountable for the behavior of other people. does not mean that individuals are not willing to help one another, on the contrary, B. People have control over their --. However, these are only short-term occurrences, which ultimately serve our own behavior. long-term goal of personal gain. 7 C. People cannot control the behavior of other people. Q: People should be held accountable for their own behavior, and if holding people D. Behavior that cannot be accountable for their own behavior entails capital punishment, then so be it. However, controlled should not be punished. no person should be held accountable for behavior over which he or she had no E. People have control over behavior that is subject to capital punishment. control. Which of the following is the most logical conclusion of the argument above? 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 paper in the morning session before the lunch break whereas the other three will present in the afternoon session. The lectures have to be scheduled in such a way that they comply with the following A. First restrictions: B. Second 8 C. Third B should present his paper immediately before C's presentation; their presentations D. Fourth cannot be separated by the lunch break. D must be either the first or the last scientist to present his paper. Q: In case F is to present his paper immediately after D presents his paper, C could be scheduled for which of the following places in the order of presenters? 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: B. A, C, D, E, B A must be shown earlier than C. q C. B, D, C, A, E D. B, D, E, A, C B must be shown earlier than D. E. E, B, C, A, D E should be the fifth film shown. Q: Which among the following is an acceptable order for showing the educational films? Nine Individuals – Z, Y, X, W, V, U, T, S AND R are the only candidates, who can serve on three committees labeled A, B and C. Each candidate should serve on exactly one of the committees. A. 9 Committee A should consist of exactly one member more than that of committee. B. 8 C. 7 10 It is possible that there are no members of committee C. Among Z, Y and X none can D. 6 E. 5 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. Q: of the nine individuals, the largest number that can serve together on committee C is A chemist is preparing a nutriment using eight different vitamins and mineralsA,

Nine Individuals – Z, Y, X, W, V, U, T, S AND R are the only candidates, who can

B, C, D, E, H, F(Ferric), and Z(Zinc). According to the recipes, the following requirements apply to the use of ingredients:

- (i) If B is used, both C and Z must also be used
- (ii) E and H must always be used together

11 C. H (iii) If C is used, at least two of A, B and F must also be used (iv) C and H cannot be used together (v) E, F and Z cannot all be used in a same nutrient (vi) A, D, and Z cannot all be used in the same nutriment Q: Which of the following cannot be included in a nutriment that contains E? In a factory control room, there are three ON-OFF switches on the 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. A. A ON, B ON, C ON. B. A ON, B OFF, C ON. In case switches A and B are the only switches ON in the default setting, then turn 12 C. A ON, B OFF, C OFF. switch C ON. In case all the three switches are ON, in default setting, then turn the D. A OFF, B ON, C OFF. E. A OFF, B OFF, C ON. 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, in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting? Selfishness is a principal evil in our society. Every person is concerned with only A. Students' evaluation of teachers is himself. Personal advancement is the only motivating force in the world today. This a wrong method. does not mean that individuals are not willing to help one another, on the contrary, --B. Student's opinions against --. However, these are only short-term occurrences, which ultimately serve our teachers are filtered during course. long-term goal of personal gain. C. Professor Taimoor had received 13 low ratings from his students. D. Teachers are not interested in Q: Professor Taimoor told his class that teacher's evaluation by students is not a valid any survey. measure of teaching quality. For this evaluation, students should fill out E. Students show interest in teacher questionnaires at the end of the course. Which of the following, if true, supports evaluation. professor Taimoor's suggestion? A. The most profitable producer in Selfishness is a principal evil in our society. Every person is concerned with only the city receives revenue from its subscribes as well from advertisers. himself. Personal advancement is the only motivating force in the world today. This B. Advertisers generally switch from does not mean that individuals are not willing to help one another, on the contrary, the most popular channel to another -. However, these are only short-term occurrences, which ultimately serve our one only when the other one long-term goal of personal gain. becomes the most popular instead. C. The number of channels Q: Drama Producers earn their profits primarily from advertising revenue, and competing viably with most profitable 14 potential advertisers are more likely to advertise on a TV with a wide network, a large channel in the city has increased during the last two years. number of cable operators, and other viewers. However, the coverage of the channel D. The network of the most profitable that is currently the most popular one in this city has steadily increased. Any of the TV channel in the city is still greater following, if true, would help explain the apparent discrepancy between the two than of any of its competitors. statements above EXCEPT: E. Advertising rates charged by the most profitable TV channel in the city are significantly higher than those charged by its competitors. Follow us to the real Pakistan leaving behind the disturbances of civilization. Real A. There was a subsequent increase Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still in the use of CNG. spacious, sprawling, and majestic. Experience the freedom and serenity still to be B. The busiest roads of the city have been damaged because of continual found in -floods in Nala Layee for las t five months. Q: The Rawalpindi city council started a publicity campaign for convincing the people C. People are busy enough to bring 15 to use public transport rather than their own transport in the city. Two months later their vehicles on the roads. there was a decrease in private transport on the roads in the mid city area. The city D. City council expended a lot of council claimed that their publicity campaign was successful to convince people to money to make the campaign leave their cars at home and ride the city bus service to work. Which of the following, successful. E. The number of cars has increased if true create the most serious doubt on the conclusion drawn above? due to Bank loaning in the city. 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. Muiahid and Mr. Abid are all smokers. Mrs. Fauzia requires non-smoker

B. F

16

neighbors. E. D Unless specifically stated all the employees maintain an atmosphere of silence during office hours. Q: The idea office for Mr. Mujahid would be. Six candidates Ali, Amin, Omer, Hamza, Saleem and Osama are being interviewed for a job. The interview will take place over four consecutive days, starting on Thursday, Each candidate will have only one interview. The day on which the different candidates will interview must confirm to the following conditions: (i) At least one interview will take place each day A. Hamza's interview will take place on Thursday (ii) No more than two interviews will take place on any day B. Saleem's interview will take place on Friday C. Amin's interview take place on (iii) No more than three interviews will take place on any two consecutive days 17 Saturday D. Osama's interview will take place (iv) Ali's interview must take place on Saturday. on Saturday E. Amin's interview will take place on (v) Amin's interview must place on the same with another interview. Sunday (vi) Saleem's interview must take place on the day before Osama's interview (vii) Omer's interview must take place on a day after Hamza's interview. Q: If Hamza and Osama have their interviews on the same day which of the following be must be true? 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. A and B B. A and D A must be shown earlier than C. C. B and C 18 D. B and D B must be shown earlier than D. E. C and D E should be the fifth film shown. Q: Which among the following is the pair of films that CANNOT be shown right before E? Two or more tealeaves out of five varieties - Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded by a marketer following the rues given below. A. One part Livana, one part Mathia. one part Novajana, four parts Piask A brand containing Livana, should also contain Novajana twice that of Livana. B. One part Livana, two parts Novajana, one part Oxia, four parts A brancd containing Mathia, must also have equal quantity of Oxia. C. One part Livana, one part Mathia, one part Oxia, one part Piask 19 A single brand never contains Novajana as well as Oxia. D. Two parts Livana, two parts Novajana, one part Oxia, two parts Oxia and Piask should not be used together. Piask E. Two parts Mathia, one part A blend containing Piask should contain it in such a proportion that the total amount Novajana, two parts Oxia, three parts of Piask present should be greater than the total amount of the other tealeaves Piask Q: Among the below mentioned brands, which can be made agreeable by eliminating some or all of one type of tealeaves? Nine Individuals – Z, Y, X, W, V, U, T, S AND R are the only candidates, who can serve on three committees labeled A, B and C. Each candidate should serve on exactly one of the committees. A. Z and Y Committee A should consist of exactly one member more than that of committee. B. Z and W C. Y and V 20 It is possible that there are no members of committee C. Among Z, Y and X none can D. Y and U E. X and V 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.

Q: In case T, S and X are the only individuals serving on committee B, the total

membership of committee C should be:

