

NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	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: Which among the following is an acceptable order for showing the educational films?	A. A, C, B, D, E B. A, C, D, E, B C. B, D, C, A, E D. B, D, E, A, C E. E, B, C, A, D
2	Four captains and the first mates of three of them were called to attend the annual meeting at head quarter. The captains were Luqman, Manzoor, Nauman and Osaf; the first 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 her captain. The first captain to speak was Manzoor, and captain Nauman spoke after him. (Represent the person with first letter of his name) Q: In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be urtrue?	A. O spoke immediately after G B. The order of the first four speakers was M, G, N, D C. O's first mate was present D. A was the fourth speaker after M E. The captains spoke in the order M, N, O, L
3	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, However, these are only short-term occurrences, which ultimately serve our long-term goal of personal gain. Q: Muzzaffar is terrible driver. He had ten traffic violations in the past year. Which of the following can be said about the above claim?`	A. Muzzaffar does not know how to drive B. Muzzaffar is an addict of drugs C. It is obvious that everyone has accidents in bad weather. D. Some thing, in this argument is hidden. E. The given statement is wrong.
4	One's ability to adjust in an environment successfully leads to happiness. War at a universal level destroys the weaker people, who are the most unable to adjust to their environment. Thus, war at the universal level puts weakling out of their misery and allows more space for their predators to enjoy life in a better manner. As those actions have to be performed, which maximize the level of happiness of the greatest number, war at a universal level should take place. Q: The author's discussion would be greatly weakened, if he agreed to which of the following? I- Technology could change the environment. II- War at the universal level would be an integral part of the environment.	A. I only B. II only C. III only D. I and III only E. I, II and III only
	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. Students' evaluation of teachers is a wrong method. B. Student's opinions against teachers are filtered during course. C. Professor Taimoor had received

long-term goal of personal gain.

Q: Professor Taimoor told his class that teacher's evaluation by students is not a

valid measure of teaching quality. For this evaluation, students should fill out questionnaires at the end of the course. Which of the following, if true, supports

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any survey.

E. Students show interest in teacher

low ratings from his students. D. Teachers are not interested in

evaluation.

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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.

Committee A should consist of exactly one member more than that of committee.

A. 9 B. 8 C. 7

It is possible that there are no members of committee C. Among Z, Y and X none can 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.

D. 6 E. 5

Q: of the nine individuals, the largest number that can serve together on committee C is

A bus has exactly six stops on its route. The bus first stops at stop one and then at stops two, three, four, five and six respectively. After the bus leaves stop six, the bus turns and returns to stop one and repeats the cycle. The stops are at six buildings that are, in alphabetical order L, M, N, O, P and Q.

A. O

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.

C. N D. L E. M

Q: In case N is the fourth stop, which among the following must be the stop immediately before P?

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.

In case switches A and B are the only switches ON in the default setting, then turn switch C ON. 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. A ON, B ON, C ON. B. A ON, B ON, C OFF. C. A ON, B OFF, C ON. D. A ON, B OFF, C OFF. E. A OFF, B ON, C OFF.

Q: In case, switch A is OFF in the second setting. Which of the following could have been the default setting?

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
- (ii) No more than two interviews will take place on any day

A. Ali B. Amin

(iii) No more than three interviews will take place on any two consecutive days

C. Omer

(iv) Ali's interview must take place on Saturday.

E. Osama

- (v) Amin's interview must place on the same with another interview.
- (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 only one interview takes place on Thursday which candidate could have that interview?

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, ----------. However, these are only short-term occurrences, which ultimately serve our long-term goal of personal gain.

- A. The greatest of society is altruism.
- B. We must all learn the art of love.C. Our short-term actions may
- C. Our short-term actions may contradict our long-term goals.D. Morality is the bedrock of a
- growing community.

 E. The forces of good will ultimately

triumph over evil.

Q: Which among the following options would most strongly contradict the author;s attitiude towards society?

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A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza. B. The blood test of the victims of Kay fever revealed the presence of a In an in vitro study, 160 white cars were injected with Salt X. 160 other white cats toxic element in their blood, normally injected with placebo. In two weeks, 39% of the white cats, who were injected with found in salt X Salt X showed symptoms of Kay fever. Hence, it can be concluded that Kay fever is 11 C. Almost all the white cats died caused by some elements similar to the elements in Salt X. within two days after the first symptom appeared. Q: Which of the following would most strengthen the argument above? D. Normally the rate of Kay fever among white cats is less than 0.01%. E. Within two weeks, about 40% of the white cats, who were injected with placebo, also contracted Kay fever. One's ability to adjust in an environment successfully leads to happiness. War at a universal level destroys the weaker people, who are the most unable to adjust to their environment. Thus, war at the universal level puts weakling out of their misery and allows more space for their predators to enjoy life in a better manner. As those actions have to be performed, which maximize the level of happiness of the greatest number, war at a universal level should take place. A. I only Q: What response would the author of the above discussion come up with, in the B. II only case of the objection that the weaklings far exceed strong people? 12 C. III only D. I and II only I- He would respond with statement that the person making the objection is a E. II and III only Il- He would respond by saying that weakings will be miserable no matter what happens. III- He would respond with statement that the strong would be frustrated if the weaklings are destroyed. A. A person is not a voluntary agent, if he acts by reason of ignorance and repents. Follow us to the real Pakistan leaving behind the disturbances of civilization. Real Pakistan is B. If an action is done by reason of still inhabited by the eagle, the cow, the black deer, and tigers; it is still spacious, sprawling, ignorance and is bot voluntary, then and majestic. Experience the freedom and serenity still to be found in -----it was repented. Everything that a person does, which is dictated because of ignorance is not voluntary. 13 C. a man is an involuntary agent, if Involuntary actions are those, which produce pain and repentance. In case a man has done he acts by reason of ignorance. something in his ignorance and he dose not feel vexed due to his action, he has not acted D. Some actions are either voluntarily as he was not aware of what he was doing, not yet involuntarily since he is not involuntary or not voluntary. pained. After reading his passage we can arrive at the conclusion that: E. If a man is not voluntary agent, he acted because of ignorance and repents. 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 (ii) No more than two interviews will take place on any day (iii) No more than three interviews will take place on any two consecutive days B. 2 C. 3 (iv) Ali's interview must take place on Saturday. 14 (v) Amin's interview must place on the same with another interview. D. 4 (vi) Saleem's interview must take place on the day before Osama's interview E. 5 (vii) Omer's interview must take place on a day after Hamza's interview. Q: If the director decides to take two interviews on Thursday and two on Sunday, how many candidates would be eligible to interview on Friday? Follow us to the real Pakistan leaving behind the disturbances of civilization. Real A. The natural beauty of our land Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still B. The fascinating urban centers spacious, sprawling, and majestic. Experience the freedom and serenity still to be C. The wild terrain of NWFP 15 D. One's own subconscious E. The great sprawling cities of the upper Pakistan Q: Choose the best option to complete the above statement: 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

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,

long-term goal of personal gain.

-. However, these are only short-term occurrences, which ultimately serve our

subscribes as well from advertisers.

B. Advertisers generally switch from

the most popular channel to another

becomes the most popular instead.

one only when the other one

Q: Drama Producers earn their profits primarily from advertising revenue, and competing viably with most profitable 16 channel in the city has increased potential advertisers are more likely to advertise on a TV with a wide network, a large 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. 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, A brand containing Livana, should also contain Novajana twice that of Livana. one part Novajana, four parts Piask 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, A single brand never contains Novajana as well as Oxia. 17 one part Oxia, one part Piask D. Two parts Livana, two parts Oxia and Piask should not be used together. Novajana, one part Oxia, two parts Piask A blend containing Piask should contain it in such a proportion that the total amount E. Two parts Mathia, one part of Piask present should be greater than the total amount of the other tealeaves Novajana, two parts Oxia, three parts Piask Q: Among the below mentioned brands, which can be made agreeable by eliminating some or all of one type of tealeaves? 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. A. 2 B. 3 2. Elena and Ayesha ar unwilling to stay besides my occupied cottage. 18 D. 5 3. Kiran is next to Pervaiz and Javed. 4. 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? 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 A. First whereas the other three will present in the afternoon session. The lectures have to be B. Second scheduled in such a way that they comply with the following restrictions: B should present his C. Third 19 paper immediately before C's presentation; their presentations cannot be separated by the D. Fourth lunch break. D must be either the first or the last scientist to present his paper.Q: In case C E. Fifth is to be the fifth scientist to present his paper, then B must be 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 brand containing Livana, should also contain Novajana twice that of Livana. A brancd containing Mathia, must also have equal quantity of Oxia. A. One part Livana B. One part Mathia A single brand never contains Novajana as well as Oxia. 20 C. Two parts Novajana D. One part Oxia Oxia and Piask should not be used together. E. Two parts Piask 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 tealeaves Q: Among the following, the addition of which combination would make a brand containing two parts Novajana and one part Piask conformable with the conditions?

C. The number of channels