

NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	<p>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 -----.</p> <p>Q: Choose the best option to complete the above statement:</p>	<p>A. The natural beauty of our land B. The fascinating urban centers C. The wild terrain of NWFP D. One's own subconscious E. The great sprawling cities of the upper Pakistan</p>
2	<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:</p> <p>In case only switch A is ON in the default setting, then turn switch B ON.</p> <p>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.</p> <p>Q: In case, only switch B is ON in the second setting. Which of the following could have been the default setting?</p>	<p>A. A ON, B ON, C ON. B. A ON, B OFF, C ON. C. A OFF, B ON, C OFF. D. A OFF, B OFF, C ON. E. A OFF, B OFF, C OFF.</p>
3	<p>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.</p> <p>Q: People should be held accountable for their own behavior, and if holding people accountable for their own behavior entails capital punishment, then so be it. However, no person should be held accountable for behavior over which he or she had no control. Which of the following is the most logical conclusion of the argument above?</p>	<p>A. People should not be held accountable for the behavior of other people. B. People have control over their own behavior. C. People cannot control the behavior of other people. D. Behavior that cannot be controlled should not be punished. E. People have control over behavior that is subject to capital punishment.</p>
4	<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:</p> <p>In case only switch A is ON in the default setting, then turn switch B ON.</p> <p>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.</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. A ON, B ON, C ON. B. A ON, B OFF, C ON. C. A ON, B OFF, C OFF. D. A OFF, B ON, C OFF. E. A OFF, B OFF, C ON.</p>
5	<p>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 -----.</p> <p>Q: Everything that a person does, which is dictated because of ignorance is not voluntary. Involuntary actions are those, which produce pain and repentance. In case a man has done something in his ignorance and he does not feel vexed due to his action, he has not acted voluntarily as he was not aware of what he was doing, not yet involuntarily since he is not pained. After reading his passage we can arrive at the conclusion that:</p>	<p>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 not 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.</p>

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 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.

6 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 tealeaves

Q: Among the following, which combination cannot be used together in an agreeable brand containing two or more types of tealeaves?

- A. Livana and Mathia
- B. Livana and Novajana
- C. Livana and Piask
- D. Mathia and Oxia
- E. Piask and Novajana

7 In an in vitro study, 160 white cats were injected with Salt X. 160 other white cats injected with placebo. In two weeks, 39% of the white cats, who were injected with Salt X showed symptoms of Kay fever. Hence, it can be concluded that Kay fever is caused by some elements similar to the elements in Salt X.

Q: Which of the following would most strengthen the argument above?

- 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 toxic element in their blood, normally found in salt X.
- C. Almost all the white cats died within two days after the first symptom appeared.
- 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.

A railway track from Lahore to Islamabad consists of six main stations, P, Q, R, X, Y, and Z. Trains run only according to the following condition:

(i) From P to Q

(ii) From Q to P and from Q to R

(iii) From R to X

8 (iv) From X to Q and from X to Y

(v) From Z to P, from Z to Y and from Z to R

(vi) From Y to X

(vii) It is possible to transfer a station for another train.

Q. The complete and accurate listing of the stations from which it is possible to reach R with exactly one transfer is :

- A. P and Q
- B. P and X
- C. X and Y
- D. X and Z
- E. X, P and Z

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Q: Among the below mentioned brands, which can be made agreeable by eliminating some or all of one type of tealeaves?

- A. One part Livana, one part Mathia, one part Novajana, four parts Piask
- B. One part Livana, two parts Novajana, 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 Novajana, one part Oxia, two parts Piask
- E. Two parts Mathia, one part Novajana, two parts Oxia, three parts Piask

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10 Q: Our beliefs regarding the world cannot be certain. Even well confirmed scientific theory is likely to change over a short period. If we do not try to understand, then it is

- A. Men spend a lot of time on thinking about future
- B. Science is the major hurdle in development
- C. Life is contingent so a man should not think about his future.

like to be away from the human race. Undoubtedly, life is worth living in other respects -- as it is no mean thing to be an animal. It is also true that a man wishes to see this speculative domain beyond his next breakfast. From the above discussion it can be concluded that the author believes that

- D. Man is a social animal
E. Men are different from animals on the basis of their reasoning abilities

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 restrictions:

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B should present his paper immediately before C's presentation; their presentations 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 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 presenter.
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.

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.

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Q: There is clear evidence that the mandated vaccination of children under age four has resulted in fewer child fatalities over the past five years. Compared to the five-year period prior to the passage of laws requiring the vaccination, fatalities of children under age four have decreased by 30 percent. Which one of the following, if true, most substantially strengthens the argument above?

- A. The fatality rate for other age groups has remained steady over the past five years.
B. Air pollution has been increased over the period of past five years.
C. Government has implemented a malaria control campaign last year
D. Health conditions in the country are better than has been previously.
E. Death rate of pregnant women has decreased.

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Q: The Rawalpindi city council started a publicity campaign for convincing the people to use public transport rather than their own transport in the city. Two months later there was a decrease in private transport on the roads in the mid city area. The city council claimed that their publicity campaign was successful to convince people to leave their cars at home and ride the city bus service to work. Which of the following, if true create the most serious doubt on the conclusion drawn above?

- A. There was a subsequent increase in the use of CNG.
B. The busiest roads of the city have been damaged because of continual floods in Nala Layee for last five months.
C. People are busy enough to bring their vehicles on the roads.
D. City council expended a lot of money to make the campaign successful.
E. The number of cars has increased due to Bank loaning in the city.

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.

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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: In case L is the second stop, which among the following must be the stop immediately before M?

- A. N
B. L
C. P
D. O
E. Q

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Q: In an examination, Rizwana has more marks than Fauzia. Shugufta has fewer marks than Zahid. Fauzia and Abid have more marks than Shugufta. If the above is true, which of the following must also be true?

- 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.

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A A ON B ON C ON

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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.

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

- A. A ON, B ON, C OFF.
 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.

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

- A. Ali
 B. Amin
 C. Omer
 D. Saleem
 E. Osama

Q: If only one interview takes place on Thursday which candidate could have that interview?

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Q: Among of 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
 E. Five parts Piask, five parts Mathia

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

- A. The greatest of society is altruism.
 B. We must all learn the art of love.
 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.

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Q: Wall chalking on public property should be outlawed. Radicals and fanatics have no right to use public property when promoting their unsavory views. The argument above is based on the idea

- A. The general public has an interest in the free exchange of different political views.
 B. Every person who uses wall chalking for the promotion of ideas is a radical or fanatic.
 C. Radicals and fanatics prefer the use of public property while propagating their viewpoint.
 D. Legal constraints should be equal for all.
 E. Any promotional activity, which is against public interest, should be protected by law.