

## NAT II Physical Science Analytical

Sr	Questions	Answers Choice
1	<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>
2	<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: 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 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</p>	<p>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.  D. Man is a social animal  E. Men are different from animals on the basis of their reasoning abilities</p>
3	<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>
4	<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: Some critics are of the opinion that the intrinsic qualities of photography depend on criticism and hence it is a matter of opinion. It is rather odd, though, that in a legal connection, serious critics themselves quite often behave as if they believed criticism to be a matter of opinion. why be a critic and teach in universities - in case criticism involves nothing but uttering capricious and arbitrary opinion? In the above argument the author is trying to convince that</p>	<p>A. The qualities of photography are not dependent on criticism.  B. Critics seem hypocritical.  C. People can not judge the art work  D. Photography is an art independent of your opinion  E. artists should teach at universities.</p>
5	<p>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.</p> <p>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.</p> <p>Q: In case a passenger gets on the bus at Q, rides past one of the stops and gets off</p>	<p>A. O is stop one.  B. Q is stop three.  C. P is stop four.  D. N is stop five.  E. L is stop six.</p>

Q: In case a passenger gets on the bus at O, rides past one or the stops and gets off at P, which of the following must be true?

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:

- 6 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 A is the third of the first mates to speak, and L is the captain whose first mate is not present, which among the following statements must be true?

- A. A spoke sometime before L.  
B. D spoke sometime before O.  
C. L spoke sometime before O.  
D. O spoke sometimes before L.  
E. O spoke sometime before N.

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:

- 7 (i) From P to Q  
(ii) From Q to P and from Q to R  
(iii) From R to X  
(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.

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

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

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:

- 8 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.

- A. First  
B. Second  
C. Third  
D. Fourth  
E. Fifth

Q: B could be placed at any of the following places in the order of presenters EXCEPT

9 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 intrinsic beauty  
B. Exploring the Great Outdoors  
C. The Quiet Beauty of Harappa  
D. how the Eagle Became Extinct  
E. Returning to Pakistan

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.

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

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.

Q: In case, any of the nine individuals serves on committee C, which among the following could not be the candidate to serve on committee A?

- A. R  
B. Y  
C. W  
D. T  
E. S

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:

11

A must be shown earlier than C.

B must be shown earlier than D.

E should be the fifth film shown.

Q: In case B, D and E are to be shown one after the other in the given order, the position from first to fifth in which A could possibly be shown is

- A. Second.
- B. First
- C. Third
- D. Fifth
- E. Fourth

12

Rizwan was born in 1956, and so in 1965 he was nine years old. If we per use this example, it is clear that the last two digits of a person's birth will be the same as the last two digits of the year of that person's ninth birthday, except that the position of the digits will be reversed. Identify, which is the best criticism of the assertions made above.

- A. The generalization is valid only for those, in which last digit of their birth years is greater than four.
- B. The generalization is applicable only for those birth years that do not end in two zeroes.
- C. This example is not best illustration of the fact
- D. The generalization is valid only for those birth years in which the difference of the last two digits is one
- E. The generalization is valid only for those birth years that ends with 6

13

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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 las t 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.

14

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Dieticians claim that those people who seek help to quit the habit of over eating, are unable to stop overeating. Therefore, doctors have concluded that success in breaking such habit is rare. A large-scale survey shows that thousands of people have quit the habit of over eating. If both of the statements above are correct, an explanation that resolves their apparent contradiction is.

- A. Dieticians do not work seriously so the people are not satisfied with their treatment
- B. The survey was conducted at only the posh areas of big cities, so it is based on wrong sample
- C. Will power play vital role in success to quit such habits
- D. People need more food.
- E. Those who succeeded in quitting the over eating did not go to dieticians for treatment and so are not included in the dieticians' data

15

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(Represent 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.

16

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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

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.

17 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: 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
- E. Two parts Novajana, one part Oxia, three parts Piask

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18 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: Among the following statements, which statement must be true?

- A. In case the second speaker was a captain, the seventh speaker 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 speaker was a first mate, the first & third speakers were captains.

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(Represent 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, L spoke

- A. Second
- B. Third
- C. Fourth
- D. Fifth
- E. Sixth

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. Mujahid and Mr. Abid are all smokers. Mrs. Fauzia requires non-smoker neighbors.

20

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.

- A. Mrs. Fauzia
- B. Mr. Mujahid
- C. Mr. Shahid
- D. Mr. Abid
- E. Mrs. Ruby