NAT II Management Science Analytical

Sr	Questions	Answers Choice

1

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) Frm 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.

Q. The greatest number of stations that can be visited without visiting any station more than once, is:

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

2

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: 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

3

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(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

4

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.

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.

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

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?

5

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.

Q: If Hamza and Osama have their interviews on the same day which of the following be must be true?

A. Hamza's interview will take place on Thursday
B. Saleem's interview will take place on Friday
C. Amin's interview take place on Saturday
D. Osama's interview will take place on Saturday
E. Amin's interview will take place on Sunday

6

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: 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 dose 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:

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.

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Q: Everything that the king knows necessarily is, because even what we ourselves know necessarily is; and, of course, our knowledge is not as certain as Kng's knowledge is. However, no future contingent thing necessarily is. Among the following statements, which naturally follows from the above:

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.

8

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:

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(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?

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

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

A. A Guide to Pakistan's intinsic beauty

9

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?

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

10

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:

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

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

11

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: Choose the best option to complete the above statement:

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

12

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(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.

Q. The trip which requires greatest number of transfer, is:

A. P to R
B. Q to Y
C. Z to Q
D. Z to R
E. Z to Y

13

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: About 20 percent of Pakistani husband think that wives with school going children should work outside the home. Only 10 percent of Iranian husband approves of mothers working if school going children live at home. Every other Pakistani wife and every third Iranian wife with school going children has a job outside her home. If the above statement is correct, which of the following must be true?

A. Iranian women have fewer children than Pakistani women.
B. Iranian husband would seem to be less satisfied about working wives who have school going children than Pakistani husbands.
C. More Iranian than Pakistani wives work outside the home.
D. Iranian husband is hiving more conservative attitudes than Pakistani husbands.
E. Employment opportunities for Pakistani wives are greater than Iranian wives.

14

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.

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

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.

15	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: 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 ture, 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.
16	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. 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 E. A, B and F
17	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: 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 C is to be the fifth scientist to present his paper, then B must be	A. First B. Second C. Third D. Fourth E. Fifth
18	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 --------------. 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
19	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 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.
20	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: In case D and E are shown as far apart from each other as possible, which among the following would be true?	A. A is shown earlier than B B. B is shown earlier than C C. C is shown earlier than E D. D is shown earlier than A E. E is shown earlier than B