NAT II Management 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, ------------. However, these are only short-term occurrences, which ultimately serve our long-term goal of personal gain. Q: Which among the following options would most strongly contradict the author;s attitiude 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.
2	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. 2. Elena and Ayesha ar unwilling to stay besides my occupied cottage. 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?	A. 2 B. 3 C. 4 D. 5 E. 6
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: 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.
4	An observatory is setting up a schedule for school children to view a returning comet. Five school classes K, L, N, O, and P-will each view the comet exactly once during the four nights. Monday through Thursday, of its maximum brightness. Excellent viewing conditions 'are predicated for all four nights. The scheduling is subject to the following constraints: At most two classes can view the comet on any given night. Class K cannot view the comet on the same night that Class N does. Class L must view the comet on a night prior to the night when Class P views the comet. Class O must view the comet on the same night that Class P does. Q: If Class N Views the comet on Thursday, which of the following could be true?	A. Class P views the comet on Tuesday. B. Class O views the comet on Thursday. C. Class L views the comet on Tuesday. D. Class L views the comet on Wednesday. E. Class K views the comet on Thursday.

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.

5

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

6

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 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

7

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.

8

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

9

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 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 N is the fourth stop, which among the following must be the stop immediately before P?

A. O
B. Q
C. N
D. L
E. M

10

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Q: Drama Producers earn their profits primarily from advertising revenue, and

A. The most profitable producer in the city receives revenue from its subscribes as well from advertisers.
B. Advertisers generally switch from the most popular channel to another one only when the other one becomes the most popular instead.
C. The number of channels competing viably with most profitable

potential advertisers are more likely to advertise on a TV with a wide network, a large number of cable operators, and other viewers. However, the coverage of the channel that is currently the most popular one in this city has steadily increased. Any of the following, if true, would help explain the apparent discrepancy between the two statements above EXCEPT:

D. The network of the most profitable TV channel in the city is still greater than of any of its competitors.
E. Advertising rates charged by the most profitable TV channel in the city are significantly higher than those charged by its competitors.

11

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, C is shown earlier than E, which among the following will hold true?

A. A is the second film shown.
B. B is the second film shown.
C. C is the third film shown.
D. D is the fourth film shown.
E. E is the fourth film shown.

12

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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

13

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 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

14

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: What response would the author of the above discussion come up with, in the case of the objection that the weaklings far exceed strong people?

I- He would respond with statement that the person making the objection is a weakling.

II- 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. I only
B. II only
C. III only
D. I and II only
E. II and III only

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Dieticians claim that those people who seek help to quit the habit of over eating, are

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

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.

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

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16

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 switches B is ON in the default setting, what must be the second setting?

A. A ON, B ON, C ON,
B. A ON, B ON, C OFF,
C. A ON, B OFF, C ON,
D. A OFF, B OFF, C ON,
E. A OFF, B OFF, C OFF,

17

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Q: In case T, S and X are the only individuals serving on committee B, the total membership of committee C should be:

A. Z and Y
B. Z and W
C. Y and V
D. Y and U
E. X and V

18

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Q: Many people do not read the books they purchase. For example, seventeen percent of college students in Pakistan have text books, but only forty-five percent of them read more than once a year, and only seventeen percent read more than once a week. Which of the following, if true, casts doubt on the claim that most people read the books they purchase?

A. Regular book readers are most susceptible to eye diseases.
B. Readers often exaggerate about their book reading.
C. Many people buy books to pretend to be a scholar.
D. The sale of novels is more than that of other types.
E. Reading speed is increased by frequent reading.

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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?

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.

20

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

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?