

## NAT II Management Science Analytical

| Sr | Questions  | Answers Choice   |
|----|--|--|
| 1  | 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: 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  |
| 2  | In an in vitro study, 160 white cars 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. |
| 3  | 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: If Rubina was born in KPK, then she is a citizen of Pakistan, The statement above can be deduced from which of the following statement?  | A. Every citizen of the Pakistan is resident either of one of the province or of one of the tribal area.  B. Rubina was born either in KPK or in Sindh. C. Some people born in KPK are citizens of Pakistan. D. Everyone born in Pakistan is a citizen of Pakistan. E. Rubina is citizen either of Pakistan or of any other country.   |
| 4  | 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 a passenger gets on the bus at O, rides past one of the stops and gets off at P, which of the following must be true?   | 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.  |
| 5  | 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. We are always trying to undermine other endeavors. B. People always deceive one anther. C. Even close friends are not trustworthy. D. People want power to control others   |

Q: To fill the blank in the above passage, select one of the options from the below

mentioned options:

E. There are many occasions when we graciously offer our assistance.

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

C. Third

D. Fifth E. Fourth

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

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: As any ecomist knows, healthy people pose less of an economic burden to society than unhealthy people. Not surprisingly, then, every rupee our government spends on prenatal care for undocumented immigrants will save taxpayers of this country three rupees. Which of the following, if true, would best explain why the statistics cited above are not surprising?

A. The taxpayers pay for prenatal care of all immigrants.

B. Pregnant women who do not receive prenatal care are more likely to experience health problems than other pregnant women.

C. Benefits for prenatal care serve to promote undocumented immigration. D. Babies whose mothers did not receives prenatal care are just as healthy as other babies.

E. Babies born in this state to undocumented immigrant parents are entitled to infant care benefits from government.

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

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

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.

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. I only

B. II only

C. III only D. I and II only

E. 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 Muzzaffar does not know how to drive

B. Muzzaffar is an addict of drugs

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

It is obvious that averyone has

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| 11 | long-term goal of personal gain.  | accidents in bad weather.  D. Some thing, in this argument is   |
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|    | 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?`   | hidden.<br>E. The given statement is wrong.   |
| 12 | 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 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.  |
| 13 | 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. 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.   |
| 14 | 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. 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.   |
| 15 | 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: 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.  E. In case the seventh speaker was a first mate, the first & amp; third speakers were captains. |
|    | 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:  | A. Class K views the comet on Monday.   |
|    | At most two classes can view the comet on any given night.  | B. Class L views the comet on Monday.   |
| 16 | Class K cannot view the comet on the same night that Class N does.  | C. Class L views the comet on Tuesday.  |
|    | Class L must view the comet on a night prior to the night when Class P views the comet.   | D. Class N views the comet on Wednesday. E. Class views the comet on Thursday.  |

Q: If Class O can view the comet neither on Wednesday nor on Thursday, which of

Class O must view the comet on the same night that Class P does.

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Three girls Joan, Rita and Kim and two boys Tim and Steve are the only dancers in a dance program, which consists of six numbers in this order: One a duet; two a duet; three a solo; four a duet; five a solo; and six a duet.

None of the dances is in two consecutive numbers or in more than two numbers. The first number in which Tim appears is the one that comes before the first number in which Kim appears.

A. Kim is in number two B. Kim is in number five C. Tim is in number one Tim is in number two

The second number in which Tim appears is one that comes after the second number in which Kim appears.

E. Tim is in number six

Q: Rita must perform only in duets if

Rizwan was born in 1956, and so in 7965 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

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

A. B B. F

E. D

Unless specifically stated all the employees maintain an atmosphere of silence during office hours.

Q: The idea office for Mr. Mujahid would be.

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.
- 4. Between Ayesha and Javed's cottage there is just one vacant house.
- 5. None of the girls occupies adjacent cottages.

3. Kiran is next to Pervaiz and Javed.

- 6. The house occupied by Tahir is next to an end cottage.
- Q: Which of the above statements can be said to have been derived from two other statement?

C. A D. C

A. Statement 1

B. Statement 2

C. Statement 3

Statement 5

E. Statement 6