

## NAT II Management Science Analytical

C <sub>r</sub>	Quantiana	Anguara Chair-
Sr	Questions	Answers Choice
1	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
	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.	
	<ol> <li>Ayesha, Tahir and Javed do not want to stay in any cottage, which is at the end of the row.</li> </ol>	
0	2. Elena and Ayesha ar unwilling to stay besides my occupied cottage.	A. Statement 1 B. Statement 2
2	3. Kiran is next to Pervaiz and Javed.	C. Statement 3 D. Statement 5 E. Statement 6
	4. Between Ayesha and Javed's cottage there is just one vacant house.	L. Statement 0
	5. None of the girls occupies adjacent cottages.	
	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?	
	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.	A. A ON, B ON, C ON.
3	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.	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.
	Q: In case, all three switches are ON in the second setting, which among the following could have been the default setting?	
4	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
5	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	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
	Q: Choose the best option to complete the above statement:	upper Pakistan

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Q: Which of the following default settings leads to a second setting, where only one switch is OFF?

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

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.

A. O

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.

B. Q

Q: In case N is the fourth stop, which among the following must be the stop immediately before P?

C. N D. L

F. M

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A. First

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.

B. Second C. Third

Q: In case F is to present his paper immediately after D presents his paper, C could be scheduled for which of the following places in the order of presenters?

D. Fourth

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.

A. The general public has an interest in the free exchange of different political views.

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

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.

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.

A 9 B. 8

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

C. 7

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.

D. 6 E. 5

Q: of the nine individuals, the largest number that can serve together on committee C is

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.

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A. I only Q: What response would the author of the above discussion come up with, in the B. II only case of the objection that the weaklings far exceed strong people? 11 C. III only D. I and II only I- He would respond with statement that the person making the objection is a E. II and III only 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. 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. A. R Committee A should consist of exactly one member more than that of committee. B. Y 12 C. W It is possible that there are no members of committee C. Among Z, Y and X none can D. T serve on committee A. Among W, V and U none can serve on committee C. Among E. S 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? 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. A. Y and T Committee A should consist of exactly one member more than that of committee. B. X and U C. Y, X and W 13 D. W, V and U It is possible that there are no members of committee C. Among Z, Y and X none can E. Z, X, U and R 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: Among the following combinations which could constitute the membership of committee C? Four captains and the first mates of three of them were called to attend the annual meeting at head quarter. The captains were Lugman, Manzoor, Nauman and Osaf; the first mates were Ayesha, Durya and Gia. Each person in turn delivered a report to the chairperson as follows: A. A spoke sometime before L. Each of the first mates delivered their report exactly after her captain. The first B. D spoke sometime before O. 14 C. L spoke sometime before O. captain to speak was Manzoor, and captain Nauman spoke after him. D. O spoke sometimes before L. E. O spoke sometime before N. (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 nor present, which among the following statements must be true? 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. One part Livana B. One part Mathia A single brand never contains Novajana as well as Oxia. 15 C. Two parts Novajana D. One part Oxia Oxia and Piask should not be used together. E. Two parts Piask 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, the addition of which combination would make a brand containing two parts Novajana and one part Piask conformable with the conditions?

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

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 channel in the city has increased during the last two years.

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.

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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 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

B. Z and W C. Y and V

D. Y and U

E. X and V

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.

statements above EXCEPT:

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

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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.

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