

## NAT II Management Science Analytical

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Sr	Questions	Answers Choice
1	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. 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
	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. 3 B. 4 C. 5 D. 6 E. 7
	Committee A should consist of exactly one member more than that of committee.	
2	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 and Z are the individuals serving on committee B, how many of the nine individuals should serve on committee C?	
3	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
4	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 exactly one film is shown between A and C, and exactly one film is shown between B and D, which among the following will hold true?	A. B is the film shown between A and C. B. A is the film shown between B and D. C. E is the film shown between A and C. D. D is the last film shown. E. E is the first film shown.
	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	A. 4
5	(iv) From X to Q and from X to Y	B. 5 C. 6
	(v) From Z to P, from Z to Y and from Z to R	D. 3 E. 2
	(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:	
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	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.
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: If I am elected, I will fight for changes effecting the growth and prosperity of the poor. We will work together to do away with the bureaucratic bogs which have existed ever since my opponent took office. Every one of you knows what I stand for; I invite my opponent to	A. Extend his support to me B. Make his mind clear C. Stop lying to the public D. Hand in his resignation graciously E. Get our city more federal aid
8	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.  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
9	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
10	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.  Q: of the nine individuals, the largest number that can serve together on committee C is	A. 9 B. 8 C. 7 D. 6 E. 5
11	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. W and S B. V and U C. V and T D. U and S E. T and S

 $\ensuremath{\mathsf{Q}}.$  The greatest number of stations that can be visited without visiting any station more than

Q: In case R is the only individual serving on committee B, which among the following should serve on committee A?

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

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- (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 :

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: Classical songs occupy a unique and peculiar position in every culture. They are imperishable as cultural landmarks, but the emotions expressed in some of the folks are often superseded by newer tunes. However, the classics survive just as heritage, as imposing features of the society, yet unsuited for habitation unless remodeled. The principle point put forth in the above passage is that classical works

A. Are ignored by young generation B. Are an obstacle in the development in new tunes C. Should be stored in museums.

D. Lose their distinctive features as time passes.

E. Need our respect and admiration even if their tunes and ideas they express are no longer current.

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: The author's discussion would be greatly weakened, if he agreed to which of the following?

I- Technology could change the environment.

Il- War at the universal level would be an integral part of the environment.

III- It is possible for the strong to survive without suppressing the weak.

A. I only B. II only C. III only

A. P and Q B. P and X C. X and Y

D. X and Z E. X, P and Z

D. I and III only E. I, II and III only

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: Which of the above statements can be said to have been derived from two other statement?

A. Statement 1

B. Statement 2

C. Statement 3

D. Statement 5

E. Statement 6

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.

A chemist is preparing a nutriment using eight different vitamins and minerals ....A, B, C, D, E, H, F(Ferric), and Z(Zinc). According to the recipes, the following requirements apply to the use of ingredients:

(i) If B is used, both C and Z must also be used

(ii) E and H must always be used together

B. D

(iii) If C is used, at least two of A, B and F must also be used

C. H

(iv) C and H cannot be used together

D. F

(v) E, F and Z cannot all be used in a same nutrient

(vi) A, D, and Z cannot all be used in the same nutriment

Q: Which of the following cannot be included in a nutriment that contains E?

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.

A. Second B. Third

D. Fifth E. Sixth

(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 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 is stop one.

 ${\sf P}$  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 is stop three. C. P is stop four.

D. N is stop five. E. L is stop six.

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?

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

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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