

NAT II Management Science Analytical

Sr	Questions	Answers Choice
1	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 L is the second stop, which among the following must be the stop immediately before M?	A. N B. L C. P D. O E. Q
2	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
3	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
4	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.	A. I only B. Il only C. I and III only D. II and III only
	5. None of the girls occupies adjacent cottages.	E. I, II and III

Q: Which among these statement(s) are true? a. Ayesha is between Elena and Javed. b. At the most four persons can have ocupied cottages on either side of them. c. Tahir stays besides Pervaiz 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 Committee A should consist of exactly one member more than that of committee. B. 8 5 C. 7 It is possible that there are no members of committee C. Among Z, Y and X none can D 6 F. 5 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 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 6 D. W, V and U 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 E. Z, X, U and R 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 guarter. 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. Second B. Third Each of the first mates delivered their report exactly after her captain. The first 7 **Fourth** captain to speak was Manzoor, and captain Nauman spoke after him. 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 At IOWA University, Students of Economics must complete a total to twelve courses selected from three different parts of the syllabus Comparative economics, environmental economics, and regional economics... in order to graduate, the students must meet the following course distribution requirements: (i) At least six of the required twelve course must be from the environmental B. 3 C. 5 8 economics. D. 2 E. 4 (ii) At least five of the required twelve courses must be from comparative economics and regional economics, with at least one, but no more than three, selected from comparative economics. Q: The minimum number of regional economics courses required to fulfil the course distribution requirements is 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:

6. The house occupied by Tahir is next to an end cottage.

B. M, D, N, G,L,O, A Each of the first mates delivered their report exactly after her captain. The first 9 C. M, N, A,L, D, O,G captain to speak was Manzoor, and captain Nauman spoke after him. D. M, N, A, O, D, L, G E. M, N, G, D, O, L, A (Represent the person with first letter of his name) Q: Which of the following order of delivering report is not conformable with the conditions? Selfishness is a principal evil in our society. Every person is concerned with only A. The fatality rate for other age himself. Personal advancement is the only motivating force in the world today. This groups has remained steady over does not mean that individuals are not willing to help one another, on the contrary, the past five years. --. However, these are only short-term occurrences, which ultimately serve our B. Air pollution has been increased long-term goal of personal gain. over the period of past five years 10 C. Government has implemented a Q: There is clear evidence that the mandated vaccination of children under age four malaria control campaign last year D. Health conditions in the country has resulted in fewer child fatalities over the past fice years. Compared to the fiveare better than has been previously. year period prior to the passage of laws requiring the vaccination, fatalities of E. Death rate of pregnant women children under age four have decreased by 30 percent. Which one of the following, if has decreased. true, most substantially strengthens the argument above? 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. A is the second film shown. B. B is the second film shown. A must be shown earlier than C. 11 C. C is the third film shown. D. D is the fourth film shown. B must be shown earlier than D. E. E is the fourth film shown. 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 person is not a voluntary agent, if he acts by reason of ignorance and repents Follow us to the real Pakistan leaving behind the disturbances of civilization. Real Pakistan is B. If an action is done by reason of still inhabited by the eagle, the cow, the black deer, and tigers; it is still spacious, sprawling, ignorance and is bot voluntary, then and majestic. Experience the freedom and serenity still to be found in ------Q: it was repented. 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 12 C. a man is an involuntary agent, if he acts by reason of ignorance. something in his ignorance and he dose not feel vexed due to his action, he has not acted D. Some actions are either voluntarily as he was not aware of what he was doing, not yet involuntarily since he is not involuntary or not voluntary. pained. After reading his passage we can arrive at the conclusion that: E. If a man is not voluntary agent, he acted because of ignorance and repents. A chemist is preparing a nutriment using eight different vitamins and mineralsA, 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 A. A, B, C, F (iii) If C is used, at least two of A, B and F must also be used B. D. E. H. Z 13 C. A, D, E, Z D. C, D, E, F (iv) C and H cannot be used together

(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 is a suitable combination of vitamins and minerals for a nutriment?

E. E, H, F, Z

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.

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

A. Kim is in number two B. Kim is in number five

C. Tim is in number one

Tim is in number

E. Tim is in number six

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Q: Rita must perform only in duets if

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- (ii) E and H must always be used together

B. D

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

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

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

E.Z

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.

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.

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

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A. Students' evaluation of teachers is a wrong method.

B. Student's opinions against teachers are filtered during course.

C. Professor Taimoor had received low ratings from his students.

D. Teachers are not interested in any survey.

E. Students show interest in teacher evaluation.

Q: Professor Taimoor told his class that teacher's evaluation by students is not a valid measure of teaching quality. For this evaluation, students should fill out questionnaires at the end of the course. Which of the following, if true, supports professor Taimoor's suggestion?

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Q: Many people especially the experts in the field of forestry are against all forest fires. They demand that all forest fires show that in the long run, forest fires may in fact, be beneficial to the ecology as a whole. Among the following, which statement would logically follow from one of the observations referred to in the passage above? A. The reason of almost all forest fires is natural.

B. Human beings try to extinguish the fire for gaining heat.

C. Studies indicate that forest fires regularly occurred in the times prior to human occupation of forest areas.

D. The animal and plant life destroyed by forest fires seldom represents endangered species.

E. Occasionally, the small fire prevents a large scale fire by the accumulation of flammable materials.

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

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- (ii) E and H must always be used together
- (iii) If C is used, at least two of A, B and F must also be used
- (iv) C and H cannot be used together

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- (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: By the addition of exactly one more mineral, which of the following could make an acceptable combination of vitamins and minerals?

A. A, D, Z B. B, H, E C. C, D, H D. C, E, Z E. E, H, F