

NAT II Management Science Analytical

Sr	Questions	Answers Choice
1	<p>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:</p> <p>A must be shown earlier than C.</p> <p>B must be shown earlier than D.</p> <p>E should be the fifth film shown.</p> <p>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</p>	<p>A. Second.</p> <p>B. First</p> <p>C. Third</p> <p>D. Fifth</p> <p>E. Fourth</p>
2	<p>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.</p> <p>Q: People should be held accountable for their own behavior, and if holding people accountable for their own behavior entails capital punishment, then so be it. However, no person should be held accountable for behavior over which he or she had no control. Which of the following is the most logical conclusion of the argument above?</p>	<p>A. People should not be held accountable for the behavior of other people.</p> <p>B. People have control over their own behavior.</p> <p>C. People cannot control the behavior of other people.</p> <p>D. Behavior that cannot be controlled should not be punished.</p> <p>E. People have control over behavior that is subject to capital punishment.</p>
3	<p>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</p>	<p>A. First</p> <p>B. Second</p> <p>C. Third</p> <p>D. Fourth</p> <p>E. Fifth</p>
4	<p>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:</p> <p>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.</p> <p>(Represent the person with first letter of his name)</p> <p>Q: Among the following statements, which would make M, D, N, G, L, O, A the only possible sequence of speakers?</p>	<p>A. D is M's first mate; G is N's first mate; A is O's first mate.</p> <p>B. D is M's first mate; G is N's first mate; A was the second to speak after L.</p> <p>C. The order of the first four speakers was M, D, N G.</p> <p>D. The order of the last three speakers was L, O, A.</p> <p>E. The order in which the captains spoke was M, N, L, O.</p>
5	<p>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 -----.</p> <p>Q: About 20 percent of Pakistani husband think that wives with school going children should work outside the home. Only 10 percent of Iranian husband approves of mothers working if school going children live at home. Every other Pakistani wife and every third Iranian wife with school going children has a job outside her home. If the above statement is correct, which of the following must be true?</p>	<p>A. Iranian women have fewer children than Pakistani women.</p> <p>B. Iranian husband would seem to be less satisfied about working wives who have school going children than Pakistani husbands.</p> <p>C. More Iranian than Pakistani wives work outside the home.</p> <p>D. Iranian husband is having more conservative attitudes than Pakistani husbands.</p> <p>E. Employment opportunities for Pakistani wives are greater than Iranian wives.</p>
	<p>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</p>	<p>A. The reason of almost all forest fires is natural.</p> <p>B. Human beings try to extinguish the fire for gaining heat.</p> <p>C. Studies indicate that forest fires</p>

6 -----, however, these are only short-term occurrences, which ultimately serve our long-term goal of personal gain.
 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?

- 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.

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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: In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be urtrue?

- A. O spoke immediately after G
- B. The order of the first four speakers was M, G, N, D
- C. O's first mate was present
- D. A was the fourth speaker after M
- E. The captains spoke in the order M, N, O, L

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: Among the following combinations which could constitute the membership of committee C?

- A. Y and T
- B. X and U
- C. Y, X and W
- D. W, V and U
- E. Z, X, U and R

9 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 switch B is ON in the second setting. Which of the following could have been the default setting?

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

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Q: In case, all three switches are ON in the second setting, which among the following could have been the default setting?

- A. A ON, B ON, C 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.

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 D and E are shown as far apart from each other as possible, which among the

- A. A is shown earlier than B
- B. B is shown earlier than C
- C. C is shown earlier than E
- D. D is shown earlier than A
- E. E is shown earlier than B

Q: In case D and E are shown as far apart from each other as possible, which among the following would be true?

- 12 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: To fill the blank in the above passage, select one of the options from the below mentioned options:
- A. We are always trying to undermine other endeavors.
 - B. People always deceive one another.
 - C. Even close friends are not trustworthy.
 - D. People want power to control others
 - E. There are many occasions when we graciously offer our assistance.

- 13 A group of dog lovers declare that the principal virtue of the dog is its general friendliness towards all people. But, another group of cat lovers declare that the principal virtue of the cat is its peculiar friendliness towards its provider. Which of the following is true of the claims of both dogs and cats lovers?
- A. Animal have not a sense to understand human behaviour
 - B. Groups of animal lovers are friendly
 - C. Friendliness is a virtue
 - D. They apply the same standard
 - E. Uncommon virtue of friendliness

- 14 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 economics.
- (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
- A. 1
 - B. 3
 - C. 5
 - D. 2
 - E. 4

- 15 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 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?
- A. First
 - B. Second
 - C. Third
 - D. Fourth
 - E. Fifth

- 16 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

- 17 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.
- A. O
 - B. Q
 - C. N
 - D. L
 - E. M

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

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18 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, the first & third speakers were captains.

19 Rizwan was born in 1956, and so in 1965 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

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

20 (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

(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