

## NAT II Management Science Analytical

Sr	Questions	Answers Choice
1	<p>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.</p> <p>Each candidate should serve on exactly one of the committees.</p> <p>Committee A should consist of exactly one member more than that of committee.</p> <p>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.</p> <p>Q: In case T, S and X are the only individuals serving on committee B, the total membership of committee C should be:</p>	<p>A. Z and Y B. Z and W C. Y and V D. Y and U E. X and V</p>
2	<p>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:</p> <p>(i) Frm P to Q</p> <p>(ii) From Q to P and from Q to R</p> <p>(iii) From R to X</p> <p>(iv) From X to Q and from X to Y</p> <p>(v) From Z to P, from Z to Y and from Z to R</p> <p>(vi) From Y to X</p> <p>(vii) It is possible to transfer a station for another train.</p> <p>Q. The complete and accurate listing of the stations from which it is possible to reach R with exactly one transfer is :</p>	<p>A. P and Q B. P and X C. X and Y D. X and Z E. X, P and Z</p>
3	<p>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:</p> <p>In case only switch A is ON in the default setting, then turn switch B ON.</p> <p>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.</p> <p>Q: In case, all three switches are ON in the second setting, which among the following could have been the default setting?</p>	<p>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.</p>
4	<p>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.</p> <p>Each candidate should serve on exactly one of the committees.</p> <p>Committee A should consist of exactly one member more than that of committee.</p> <p>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.</p> <p>Q: of the nine individuals, the largest number that can serve together on committee C is</p>	<p>A. 9 B. 8 C. 7 D. 6 E. 5</p>

5	<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: 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?</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 regularly occurred in the times prior to human occupation of forest areas.</p> <p>D. The animal and plant life destroyed by forest fires seldom represents endangered species.</p> <p>E. Occasionally, the small fire prevents a large scale fire by the accumulation of flammable materials.</p>
6	<p>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.</p> <p>Each candidate should serve on exactly one of the committees.</p> <p>Committee A should consist of exactly one member more than that of committee.</p> <p>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.</p> <p>Q: Among the following combinations which could constitute the membership of committee C?</p>	<p>A. Y and T</p> <p>B. X and U</p> <p>C. Y, X and W</p> <p>D. W, V and U</p> <p>E. Z, X, U and R</p>
7	<p>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:</p> <p>(i) If B is used, both C and Z must also be used</p> <p>(ii) E and H must always be used together</p> <p>(iii) If C is used, at least two of A, B and F must also be used</p> <p>(iv) C and H cannot be used together</p> <p>(v) E, F and Z cannot all be used in a same nutrient</p> <p>(vi) A, D, and Z cannot all be used in the same nutriment</p> <p>Q: Which of the following is a suitable combination of vitamins and minerals for a nutriment?</p>	<p>A. A, B, C, F</p> <p>B. D, E, H, Z</p> <p>C. A, D, E, Z</p> <p>D. C, D, E, F</p> <p>E. E, H, F, Z</p>
8	<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: Muzzaffar is terrible driver. He had ten traffic violations in the past year. Which of the following can be said about the above claim?’</p>	<p>A. Muzzaffar does not know how to drive</p> <p>B. Muzzaffar is an addict of drugs</p> <p>C. It is obvious that everyone has accidents in bad weather.</p> <p>D. Some thing, in this argument is hidden.</p> <p>E. The given statement is wrong.</p>
9	<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: Choose the best option to complete the above statement:</p>	<p>A. The natural beauty of our land</p> <p>B. The fascinating urban centers</p> <p>C. The wild terrain of NWFP</p> <p>D. One's own subconscious</p> <p>E. The great sprawling cities of the upper Pakistan</p>
10	<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>A. Second</p> <p>B. Third</p> <p>C. Fourth</p> <p>D. Fifth</p> <p>E. Sixth</p>

Q: In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke

11

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

12

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.

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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 following would be true?

- 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

14

Six candidates .... Ali, Amin, Omer, Hamza, Saleem and Osama are being interviewed for a job. The interview will take place over four consecutive days, starting on Thursday, Each candidate will have only one interview. The day on which the different candidates will interview must confirm to the following conditions:

- (i) At least one interview will take place each day
- (ii) No more than two interviews will take place on any day
- (iii) No more than three interviews will take place on any two consecutive days
- (iv) Ali's interview must take place on Saturday.
- (v) Amin's interview must place on the same with another interview.
- (vi) Saleem's interview must take place on the day before Osama's interview
- (vii) Omer's interview must take place on a day after Hamza's interview.

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

Q: If the director decides to take two interviews on Thursday and two on Sunday, how many candidates would be eligible to interview on Friday?

15

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

- A. W and S
- B. V and U
- C. V and T
- D. U and S
- E. T and S

16

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: 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

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

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- 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 -----.
- 17 Q: Our beliefs regarding the world cannot be certain. Even well confirmed scientific theory is likely to change over a short period. If we do not try to understand, then it is like to be away from the human race. Undoubtedly, life is worth living in other respects -- as it is no mean thing to be an animal. It is also true that a man wishes to see this speculative domain beyond his next breakfast. From the above discussion it can be concluded that the author believes that
- A. Men spend a lot of time on thinking about future  
B. Science is the major hurdle in development  
C. Life is contingent so a man should not think about his future.  
D. Man is a social animal  
E. Men are different from animals on the basis of their reasoning abilities
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- 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 -----.
- 18 Q: Everything that the king knows necessarily is, because even what we ourselves know necessarily is; and, of course, our knowledge is not as certain as King's knowledge is. However, no future contingent thing necessarily is. Among the following statements, which naturally follows from the above:
- A. There are no future contingent things.  
B. It is not true that the king has knowledge of only necessary things.  
C. The king has knowledge of no contingent future things.  
D. It is not possible for us to know the king.  
E. The king has knowledge of everything.
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- 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 -----.
- 19 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?
- 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 having more conservative attitudes than Pakistani husbands.  
E. Employment opportunities for Pakistani wives are greater than Iranian wives.
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- 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.
- 20 (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
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