

NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	<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: 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 Kng's knowledge is. However, no future contingent thing necessarily is. Among the following statements, which naturally follows from the above:</p>	<p>A. There are no future contingent things.</p> <p>B. It is not true that the king has knowledge of only necessary things.</p> <p>C. The king has knowledge of no contingent future things.</p> <p>D. It is not possible for us to know the king.</p> <p>E. The king has knowledge of everything.</p>
2	<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: Which of the following order of delivering report is not conformable with the conditions?</p>	<p>A. M, A, N, G, O, L, D</p> <p>B. M, D, N, G, L, O, A</p> <p>C. M, N, A, L, D, O, G</p> <p>D. M, N, A, O, D, L, G</p> <p>E. M, N, G, D, O, L, A</p>
3	<p>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.</p> <p>A brand containing Livana, should also contain Novajana twice that of Livana.</p> <p>A brancd containing Mathia, must also have equal quantity of Oxia.</p> <p>A single brand never contains Novajana as well as Oxia.</p> <p>Oxia and Piask should not be used together.</p> <p>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</p> <p>Q: Among of following which is an acceptable brand in accordance with the rules?</p>	<p>A. One part Livana, one part Piask</p> <p>B. Two parts Mathia, two parts Livana</p> <p>C. Three parts Novajana, three parts Livana</p> <p>D. Four parts Oxia, four parts Mathia</p> <p>E. Five parts Piask, five parts Mathia</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: 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</p> <p>B. Z and W</p> <p>C. Y and V</p> <p>D. Y and U</p> <p>E. X and V</p>
5	<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</p>	<p>A. In case the second speaker was a captain, the seventh speaker was a first mate.</p> <p>B. In case the second speaker was a first mate, the seventh speaker was a captain.</p> <p>C. In case the third speaker was a first mate, the seventh speaker was a</p>

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?

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.

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:

6 (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

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:

7 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

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

8 Q: Many people do not read the books they purchase. For example, seventeen percent of college students in Pakistan have text books, but only forty-five percent of them read more than once a year, and only seventeen percent read more than once a week. Which of the following, if true, casts doubt on the claim that most people read the books they purchase?

- A. Regular book readers are most susceptible to eye diseases.
- B. Readers often exaggerate about their book reading.
- C. Many people buy books to pretend to be a scholar.
- D. The sale of novels is more than that of other types.
- E. Reading speed is increased by frequent reading.

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.

9 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, 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.

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:

10 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)

- A. A spoke sometime before L.
- B. D spoke sometime before O.
- C. L spoke sometime before O.
- D. O spoke sometimes before L.
- E. O spoke sometime before N.

Q: In case A is the third of the first mates to speak, and L is the captain whose first mate is not present, which among the following statements must be true?

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.

- 11 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.

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

Q: In case, in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting?

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.

12

A. Mrs. Fauzia
B. Mr. Mujahid
C. Mr. Shahid
D. Mr. Abid
E. Mrs. Ruby

Unless specifically stated all the employees maintain an atmosphere of silence during office hours.

Q: The ideal candidate to occupy the office farthest from Mr. Zahid would be.

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:

13

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.

A. First
B. Second
C. Third
D. Fourth
E. Fifth

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 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.

14

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 is stop one.
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?

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:

15

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

Six scientists A, B, C, D, E and F are to present a paper each at a one-day

16	<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:</p> <p>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.</p> <p>Q: B could be placed at any of the following places in the order of presenters EXCEPT</p>	<p>A. First B. Second C. Third D. Fourth E. Fifth</p>
17	<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. 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. B. First C. Third D. Fifth E. Fourth</p>
18	<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: The above paragraph is most likely to appear in which of the following?</p>	<p>A. A Guide to Pakistan's intrinsic beauty B. Exploring the Great Outdoors C. The Quiet Beauty of Harappa D. how the Eagle Became Extinct E. Returning to Pakistan</p>
19	<p>In an in vitro study, 160 white cats 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.</p> <p>Q: Which of the following statements would most seriously weaken the above discussion?</p>	<p>A. People suffering from Kay fever are the victims of the golden viper of Sindh. B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment. C. The natural habitats of white cats does not contain any of the elements found in Salt X. D. The 160 white cats used in the experiment were kept isolated from each other. E. The scientists administered the injections being ignorant of the contents of the salt used.</p>
20	<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) From P to Q (ii) From Q to P and from Q to R (iii) From R to X (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.</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>