

NAT II Biological 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, any of the nine individuals serves on committee C, which among the following could not be the candidate to serve on committee A?</p>	<p>A. R B. Y C. W D. T E. S</p>
2	<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 D and E are shown as far apart from each other as possible, which among the following would be true?</p>	<p>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</p>
3	<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>
4	<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: Some critics are of the opinion that the intrinsic qualities of photography depend on criticism and hence it is a matter of opinion. It is rather odd, though, that in a legal connection, serious critics themselves quite often behave as if they believed criticism to be a matter of opinion. why be a critic and teach in universities - in case criticism involves nothing but uttering capricious and arbitrary opinion? In the above argument the author is trying to convince that</p>	<p>A. The qualities of photography are not dependent on criticism. B. Critics seem hypocritical. C. People can not judge the art work D. Photography is an art independent of your opinion E. artists should teach at universities.</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: The Rawalpindi city council started a publicity campaign for convincing the people to use public transport rather than their own transport in the city. Two months later there was a decrease in private transport on the roads in the mid city area. The city council claimed that their publicity campaign was successful to convince people to leave their cars at home and ride the city bus service to work. Which of the following, if true create the most serious doubt on the conclusion drawn above?</p>	<p>A. There was a subsequent increase in the use of CNG. B. The busiest roads of the city have been damaged because of continual floods in Nala Layee for last five months. C. People are busy enough to bring their vehicles on the roads. D. City council expended a lot of money to make the campaign successful. E. The number of cars has increased due to Bank loaning in the city.</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:

- 6 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

An observatory is setting up a schedule for school children to view a returning comet. Five school classes K, L, N, O, and P-will each view the comet exactly once during the four nights. Monday through Thursday, of its maximum brightness. Excellent viewing conditions 'are predicated for all four nights. The scheduling is subject to the following constraints:

At most two classes can view the comet on any given night.

- 7 Class K cannot view the comet on the same night that Class N does.

Class L must view the comet on a night prior to the night when Class P views the comet.

Class O must view the comet on the same night that Class P does.

Q: If Class O can view the comet neither on Wednesday nor on Thursday, which of the following must be true?

- A. Class K view s the comet on Monday.
- B. Class L views the comet on Monday.
- C. Class L views the comet on Tuesday.
- D. Class N views the comet on Wednesday.
- E. Class views the comet on Thursday.

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:

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

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

9 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

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.

- 10 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.

- 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

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

during office hours.

Q: The three employees who are smokers should be seated in the offices.

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

Q: In case, only switch B is ON in the second setting. Which of the following could have been the default setting?

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.

12

Q: If Rubina was born in KPK, then she is a citizen of Pakistan, The statement above can be deduced from which of the following statement?

- A. Every citizen of the Pakistan is resident either of one of the province or of one of the tribal area.
- B. Rubina was born either in KPK or in Sindh.
- C. Some people born in KPK are citizens of Pakistan.
- D. Everyone born in Pakistan is a citizen of Pakistan.
- E. Rubina is citizen either of Pakistan or of any other country.

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.

13

2. Elena and Ayesha are 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

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) From P to Q

(ii) From Q to P and from Q to R

(iii) From R to X

14

(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 trip which requires greatest number of transfer, is:

- A. P to R
- B. Q to Y
- C. Z to Q
- D. Z to R
- E. Z to Y

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

- 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.

- 15 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: Which of the following statements would most seriously weaken the above discussion?
- 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.
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- 16 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: In an examination, Rizwana has more marks than Fauzia. Shugufta has fewer marks than Zahid. Fauzia and Abid have more marks than Shugufta. If the above is true, which of the following must also be true?
- A. Fauzia has fewer marks than Shugufta.
B. Rizwana has more marks than Shugufta
C. Fauzia has fewer marks than Zahid.
D. Zahid has more marks than Rizwana.
E. Zahid has more marks than Abid.
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- 17 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 is to be shown earlier than A, then for which of the following these exactly one position from through fifth in which it can be scheduled to be shown?
- A. A
B. B
C. C
D. D
E. E
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- 18 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
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- 19 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
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- 20 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 are 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. Statement 1
B. Statement 2
C. Statement 3
D. Statement 5
E. Statement 6

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 statements?
