

## NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	<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: 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</p>	<p>A. The general public has an interest in the free exchange of different political views.</p> <p><b>B. Every person who uses wall chalking for the promotion of ideas is a radical or fanatic.</b></p> <p>C. Radicals and fanatics prefer the use of public property while propagating their viewpoint.</p> <p>D. Legal constraints should be equal for all.</p> <p>E. Any promotional activity, which is against public interest, should be protected by law.</p>
2	<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>B. Iranian husband would seem to be less satisfied about working wives who have school going children than Pakistani husbands.</b></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>
3	<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>B. First</b></p> <p>C. Third</p> <p>D. Fifth</p> <p>E. Fourth</p>
4	<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><b>A. A is shown earlier than B</b></p> <p>B. B is shown earlier than C</p> <p>C. C is shown earlier than E</p> <p>D. D is shown earlier than A</p> <p>E. E is shown earlier than B</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: If I am elected, I will fight for changes effecting the growth and prosperity of the poor. We will work together to do away with the bureaucratic bogs which have existed ever since my opponent took office. Every one of you knows what I stand for; I invite my opponent to .....</p>	<p>A. Extend his support to me</p> <p><b>B. Make his mind clear</b></p> <p>C. Stop lying to the public</p> <p>D. Hand in his resignation graciously</p> <p>E. Get our city more federal aid</p>
	<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</p>	<p><b>A First</b></p>

6	<p>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 B. Second C. Third D. Fourth E. Fifth</p>
7	<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: To fill the blank in the above passage, select one of the options from the below mentioned options:</p>	<p>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.</p>
8	<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 B. M, D, N, G, L, O, A C. M, N, A, L, D, O, G D. M, N, A, O, D, L, G E. M, N, G, D, O, L, A</p>
9	<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>
10	<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: In 1970, Shaheen Inn earned Rs. 10 million in hotel business. By 1990, revenue doubled and in 2000, it reached the sum of Rs. 40 million. Each of the following, if true, may explain the trend in hotel business except:</p>	<p>A. The number of total hotel rooms has increased. B. Average cost per room has increased. C. The number of customers has increased from 1970 to 1990. D. Average stay per customer has increased. E. The average price of customer services has increased.</p>
11	<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 statement must be true?</p>	<p>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 &amp; third speakers were captains.</p>
12	<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>A. Fauzia has fewer marks than Shugufta. B. Rizwana has more marks than Shugufta C. Fauzia has fewer marks than Zahid. -----</p>

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?

- D. Zahid has more marks than Rizwana.
- E. Zahid has more marks than Abid.

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.

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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

- 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.

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.

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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.

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.

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Q: What response would the author of the above discussion come up with, in the case of the objection that the weaklings far exceed strong people?

I- He would respond with statement that the person making the objection is a weakling.

II- He would respond by saying that weaklings will be miserable no matter what happens.

III- He would respond with statement that the strong would be frustrated if the weaklings are destroyed.

- A. I only
- B. II only
- C. III only
- D. I and II only
- E. II and III only

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:

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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 A is the third of the first mates to speak, and L is the captain whose first mate is nor present, which among the following statements must be true?

- 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.

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.
- 17 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: Which of the following default settings leads to a second setting, where only one switch is OFF?

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

- 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 Dieticians claim that those people who seek help to quit the habit of over eating, are unable to stop overeating. Therefore, doctors have concluded that success in breaking such habit is rare. A large-scale survey shows that thousands of people have quit the habit of over eating. If both of the statements above are correct, an explanation that resolves their apparent contradiction is.

- A. Dieticians do not work seriously so the people are not satisfied with their treatment  
B. The survey was conducted at only the posh areas of big cities, so it is based on wrong sample  
C. Will power play vital role in success to quit such habits  
D. People need more food.  
E. Those who succeeded in quitting the over eating did not go to dieticians for treatment and so are not included in the dieticians' data

- 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) Frm 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.
- 19 Q. The complete and accurate listing of the stations from which it is possible to reach R with exactly one transfer is :

- A. P and Q  
B. P and X  
C. X and Y  
D. X and Z  
E. X, P and Z

- 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.
- 20 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