

NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	<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: Professor Taimoor told his class that teacher's evaluation by students is not a valid measure of teaching quality. For this evaluation, students should fill out questionnaires at the end of the course. Which of the following, if true, supports professor Taimoor's suggestion?</p>	<p>A. Students' evaluation of teachers is a wrong method.</p> <p>B. Student's opinions against teachers are filtered during course.</p> <p>C. Professor Taimoor had received low ratings from his students.</p> <p>D. Teachers are not interested in any survey.</p> <p>E. Students show interest in teacher evaluation.</p>
2	<p>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:</p> <p>(i) At least one interview will take place each day</p> <p>(ii) No more than two interviews will take place on any day</p> <p>(iii) No more than three interviews will take place on any two consecutive days</p> <p>(iv) Ali's interview must take place on Saturday.</p> <p>(v) Amin's interview must place on the same with another interview.</p> <p>(vi) Saleem's interview must take place on the day before Osama's interview</p> <p>(vii) Omer's interview must take place on a day after Hamza's interview.</p> <p>Q: If Hamza and Osama have their interviews on the same day which of the following be must be true?</p>	<p>A. Hamza's interview will take place on Thursday</p> <p>B. Saleem's interview will take place on Friday</p> <p>C. Amin's interview take place on Saturday</p> <p>D. Osama's interview will take place on Saturday</p> <p>E. Amin's interview will take place on Sunday</p>
3	<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: Drama Producers earn their profits primarily from advertising revenue, and potential advertisers are more likely to advertise on a TV with a wide network, a large number of cable operators, and other viewers. However, the coverage of the channel that is currently the most popular one in this city has steadily increased. Any of the following, if true, would help explain the apparent discrepancy between the two statements above EXCEPT:</p>	<p>A. The most profitable producer in the city receives revenue from its subscribers as well from advertisers.</p> <p>B. Advertisers generally switch from the most popular channel to another one only when the other one becomes the most popular instead.</p> <p>C. The number of channels competing viably with most profitable channel in the city has increased during the last two years.</p> <p>D. The network of the most profitable TV channel in the city is still greater than of any of its competitors.</p> <p>E. Advertising rates charged by the most profitable TV channel in the city are significantly higher than those charged by its competitors.</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: 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?</p>	<p>A. A spoke sometime before L.</p> <p>B. D spoke sometime before O.</p> <p>C. L spoke sometime before O.</p> <p>D. O spoke sometimes before L.</p> <p>E. O spoke sometime before N.</p>

5

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- A. People should not be held accountable for the behavior of other people.
- B. People have control over their own behavior.
- C. People cannot control the behavior of other people.
- D. Behavior that cannot be controlled should not be punished.
- E. People have control over behavior that is subject to capital punishment.

6

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- 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.

7

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.

- A. A and B
- B. A and D
- C. B and C
- D. B and D
- E. C and D

E should be the fifth film shown.

Q: Which among the following is the pair of films that CANNOT be shown right before E?

8

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
- (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.

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

9

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- (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

- A. Ali
- B. Amin
- C. Omer
- D. Saleem
- E. Osama

(vii) Omer's interview must take place on a day after Hamza's interview.

Q: If only one interview takes place on Thursday which candidate could have that interview?

10

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.

Q: Which of the following statements would most seriously weaken the above discussion?

- 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.

11

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 rules given below.

A brand containing Livana, should also contain Novajana twice that of Livana.

A brand containing Mathia, must also have equal quantity of Oxia.

A single brand never contains Novajana as well as Oxia.

Oxia and Piask should not be used together.

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

Q: Among of following which is an acceptable brand in accordance with the rules?

- A. One part Livana, one part Piask
- B. Two parts Mathia, two parts Livana
- C. Three parts Novajana, three parts Livana
- D. Four parts Oxia, four parts Mathia
- E. Five parts Piask, five parts Mathia

12

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?

13

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

14

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 -----.

Q: The above paragraph is most likely to appear in which of the following?

- 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

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 one 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.

15 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: Which among these statement(s) are true?

a. Ayesha is between Elena and Javed.

b. At the most four persons can have occupied cottages on either side of them.

c. Tahir stays besides Pervaiz

A chemist is preparing a nutrient 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:

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

(ii) E and H must always be used together

16 (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 nutrient

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

Q: Which of the following is a suitable combination of vitamins and minerals for a nutrient?

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17 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.

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18 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, any of the nine individuals serves on committee C, which among the following could not be the candidate to serve on committee A?

A. R
B. Y
C. W
D. T
E. S

19 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 -----.

A. The natural beauty of our land
B. The fascinating urban centers
C. The wild terrain of NWFP
D. One's own subconscious
E. The great sprawling cities of the upper Pakistan

Q: Choose the best option to complete the above statement:

20

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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?

- A. Muzzaffar does not know how to drive
- B. Muzzaffar is an addict of drugs
- C. It is obvious that everyone has accidents in bad weather.
- D. Some thing, in this argument is hidden.
- E. The given statement is wrong.