

NAT II Arts & Humanities Analytical

Sr	Questions	Answers Choice
1	<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, in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting?</p>	<p>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.</p>
2	<p>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:</p> <p>At most two classes can view the comet on any given night.</p> <p>Class K cannot view the comet on the same night that Class N does.</p> <p>Class L must view the comet on a night prior to the night when Class P views the comet.</p> <p>Class O must view the comet on the same night that Class P does.</p> <p>Q: If Class O can view the comet neither on Wednesday nor on Thursday, which of the following must be true?</p>	<p>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.</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: 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 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.</p>
4	<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: 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?</p>	<p>A. First B. Second C. Third D. Fourth E. Fifth</p>
	<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>A. 9 B. 8</p>

- 5 Committee A should consist of exactly one member more than that of committee C. 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

B. 6
C. 7
D. 6
E. 5

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.

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

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: Adding more amount of Novajana will make which of the following brands conformable with the conditions?

7 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

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

8 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: 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 in 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

9 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:

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?

Selfishness is a principal evil in our society. Every person is concerned with only

A. Sahiwal has larger population than

10. 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: a greater number of computers are sold in Sahiwal than in Burewala. Therefore, the people of Sahiwal are better informed about world events than are the people of Burewala. Each of the following, if true, weakens the conclusion above EXCEPT?
- Burewala.
 B. Most people of Burewala work in Sahiwal.
 C. Each person in Sahiwal spends less time surfing internet than does a person in Burewala.
 D. The internet bandwidth is 128 kbps in both towns.
 E. Bandwidth usage in Burewala is more than that in Sahiwal.
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11. Three girls Joan, Rita and Kim and two boys Tim and Steve are the only dancers in a dance program, which consists of six numbers in this order: One a duet; two a duet; three a solo; four a duet; five a solo; and six a duet.
- None of the dances is in two consecutive numbers or in more than two numbers. The first number in which Tim appears is the one that comes before the first number in which Kim appears.
- The second number in which Tim appears is one that comes after the second number in which Kim appears.
- Q: Rita must perform only in duets if
- A. Kim is in number two
 B. Kim is in number five
 C. Tim is in number one
 D. Tim is in number two
 E. Tim is in number six
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12. 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
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13. 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 weaklings 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.
- 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
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14. 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: 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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15. 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: People should be held accountable for their own behavior, and if holding people accountable for their own behavior entails capital punishment, then so be it. However, no person should be held accountable for behavior over which he or she had no control. Which of the following is the most logical conclusion of the argument above?
- 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.

- 16 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:
- 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 F and E are the fifth and sixth presenters respectively then which of the following must be true?

- A. A is first in the order of presenters.
- B. A is third in the order of presenter.
- C. A is fourth in the order of presenters.
- D. B is first in the order of presenters.
- E. C is fourth in the order of presenters.

- 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 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

- 18 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: 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:

- 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.

- 19 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:
- (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 cannot be included in a nutriment that contains E?

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

- 20 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 conform 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

- A. Hamza's interview will take place on Thursday
- B. Saleem's interview will take place on Friday
- C. Amin's interview take place on Saturday
- D. Osama's interview will take place on Saturday
- E. Amin's interview will take place on Sunday

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

Q: If Hamza and Osama have their interviews on the same day which of the following be must be true?
