

## NAT II Arts & Humanities 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 T and Z are the individuals serving on committee B, how many of the nine individuals should serve on committee C?</p>	<p>A. 3  <b>B. 4</b>            C. 5            D. 6            E. 7</p>
2	<p>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:</p> <p>(i) If B is used, both C and Z must also be used</p> <p>(ii) E and H must always be used together</p> <p>(iii) If C is used, at least two of A, B and F must also be used</p> <p>(iv) C and H cannot be used together</p> <p>(v) E, F and Z cannot all be used in a same nutrient</p> <p>(vi) A, D, and Z cannot all be used in the same nutriment</p> <p>Q: Which of the following is a suitable combination of vitamins and minerals for a nutriment?</p>	<p>A. A, B, C, F  <b>B. D, E, H, Z</b>            C. A, D, E, Z            D. C, D, E, F            E. E, H, F, Z</p>
3	<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 only one interview takes place on Thursday which candidate could have that interview?</p>	<p>A. Ali            B. Amin            C. Omer  <b>D. Saleem</b>            E. Osama</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><b>A. A is shown earlier than B</b>            B. B is shown earlier than C            C. C is shown earlier than E            D. D is shown earlier than A</p>

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?

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.

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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.

- A. 2
- B. 3
- C. 4
- D. 5
- E. 6

Q: How many of them occupy cottages next to a vacant cottage?

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:

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

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 N Views the comet on Thursday, which of the following could be true?

- A. Class P views the comet on Tuesday.
- B. Class O views the comet on Thursday.
- C. Class L views the comet on Tuesday.
- D. Class L views the comet on Wednesday.
- E. Class K views the comet on Thursday.

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: Among the following statements, which statement must be true?

- 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 & third speakers were captains.

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:

8

A must be shown earlier than C.

B must be shown earlier than D.

E should be the fifth film shown.

Q: In case exactly one film is shown between A and C, and exactly one film is shown between B and D, which among the following will hold true?

- A. B is the film shown between A and C.
- B. A is the film shown between B and D.
- C. E is the film shown between A and C.
- D. D is the last film shown.
- E. E is the first film shown.

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.

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- A. The general public has an interest in the free exchange of different political views.
- B. Every person who uses wall chalking for the promotion of ideas is a radical or fanatic.
- C. Radicals and fanatics prefer the use of public property while

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

- use of public property while propagating their viewpoint.
- D. Legal constraints should be equal for all.
- E. Any promotional activity, which is against public interest, should be protected by law.

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(Represent the person with first letter of his name)

- 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

Q: Which of the following order of delivering report is not conformable with the conditions?

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: 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.

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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.

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.

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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 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.

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

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: As any economist knows, healthy people pose less of an economic burden to society than unhealthy people. Not surprisingly, then, every rupee our government spends on prenatal care for undocumented immigrants will save taxpayers of this country three rupees. Which of the following, if true, would best explain why the statistics cited above are not surprising?

- A. The taxpayers pay for prenatal care of all immigrants.
- B. Pregnant women who do not receive prenatal care are more likely to experience health problems than other pregnant women.
- C. Benefits for prenatal care serve to promote undocumented immigration.
- D. Babies whose mothers did not receive prenatal care are just as healthy as other babies.
- E. Babies born in this state to undocumented immigrant parents are entitled to infant care benefits from government.

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.

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

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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?

- 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.

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 -----.

17 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 King'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.

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18 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?

- A. Iranian women have fewer children than Pakistani women.
- B. Iranian husband would seem to be less satisfied about working wives who have school going children than Pakistani husbands.
- C. More Iranian than Pakistani wives work outside the home.
- D. Iranian husband is having more conservative attitudes than Pakistani husbands.
- E. Employment opportunities for Pakistani wives are greater than Iranian wives.

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19 Q: Which among the following options would most strongly contradict the author's attitude towards society?

- A. The greatest of society is altruism.
- B. We must all learn the art of love.
- C. Our short-term actions may contradict our long-term goals.
- D. Morality is the bedrock of a growing community.
- E. The forces of good will ultimately triumph over evil.

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Q: Which of the above statements can be said to have been derived from two other statements?

- A. Statement 1
- B. Statement 2
- C. Statement 3
- D. Statement 5
- E. Statement 6