

## NAT II Arts & Humanities Analytical

| Sr | Questions  | Answers Choice  |
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| 1  | <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: Everything that a person does, which is dictated because of ignorance is not voluntary. Involuntary actions are those, which produce pain and repentance. In case a man has done something in his ignorance and he does not feel vexed due to his action, he has not acted voluntarily as he was not aware of what he was doing, not yet involuntarily since he is not pained. After reading his passage we can arrive at the conclusion that:</p>   | <p>A. A person is not a voluntary agent, if he acts by reason of ignorance and repents.</p> <p>B. If an action is done by reason of ignorance and is bot voluntary, then it was repented.</p> <p>C. a man is an involuntary agent, if he acts by reason of ignorance.</p> <p>D. Some actions are either involuntary or not voluntary.</p> <p>E. If a man is not voluntary agent, he acted because of ignorance and repents.</p>   |
| 2  | <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 only switches B is ON in the default setting, what must be the second setting?</p>   | <p>A. A ON, B ON, C ON,</p> <p>B. A ON, B ON, C OFF,</p> <p>C. A ON, B OFF, C ON,</p> <p>D. A OFF, B OFF, C ON,</p> <p>E. A OFF, B OFF, C OFF,</p>  |
| 3  | <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: Which of the following would most strengthen the argument above?</p>   | <p>A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza.</p> <p>B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally found in salt X.</p> <p>C. Almost all the white cats died within two days after the first symptom appeared.</p> <p>D. Normally the rate of Kay fever among white cats is less than 0.01%.</p> <p>E. Within two weeks, about 40% of the white cats, who were injected with placebo, also contracted Kay fever.</p> |
| 4  | <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 views the comet on Monday.</p> <p>B. Class L views the comet on Monday.</p> <p>C. Class L views the comet on Tuesday.</p> <p>D. Class N views the comet on Wednesday.</p> <p>E. Class views the comet on Thursday.</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.

Each candidate should serve on exactly one of the committees.

5

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

A. 9  
B. 8  
C. 7  
**D. 6**  
E. 5

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

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.

6

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. Mrs. Fauzia  
B. Mr. Mujahid  
C. Mr. Shahid  
**D. Mr. Abid**  
E. Mrs. Ruby

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

Q: The ideal candidate to occupy the office farthest from Mr. Zahid would be.

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.

7

Each candidate should serve on exactly one of the committees.

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

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

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?

8

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:

**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.

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?

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.

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.

9

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?

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:

10 In case only switch A is ON in the default setting, then turn switch B ON.  
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: In case, all three switches are ON in the second setting, which among the following could have been the default setting?

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11 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: B could be placed at any of the following places in the order of presenters EXCEPT

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12 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 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?

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

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14 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.

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

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15 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:

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

A. First  
B. Second  
C. Third  
D. Fourth  
E. Fifth

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.

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

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

A. D is M's first mate; G is N's first mate; A is O's first mate.  
B. D is M's first mate; G is N's first mate; A was the second to speak

15 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 would make M, D, N, G, L, O, A the only possible sequence of speakers?

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: 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:

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.

17 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

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:

(i) At least one interview will take place each day  
(ii) No more than two interviews will take place on any day  
18 (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  
(vii) Omer's interview must take place on a day after Hamza's interview.

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

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

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 -----.

19 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.

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. One part Livana, one part Mathia, one part Novajana, four parts Piask  
B. One part Livana, two parts Novajana, one part Oxia, four parts Piask

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 the below mentioned brands, which can be made agreeable by eliminating some or all of one type of tealeaves?

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