

NAT II Physical Science Analytical

Sr Questions Answers Choice 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. 2. Elena and Ayesha ar unwilling to stay besides my occupied cottage. 3. Kiran is next to Pervaiz and Javed. A. I only B. II only C. I and III only 4. Between Ayesha and Javed's cottage there is just one vacant house. D. II and III only E. I, II and III 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 ocupied cottages on either side of them. c. Tahir stays besides Pervaiz 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 A. B is the film shown between A and the following conditions: B. A is the film shown between B and A must be shown earlier than C. D C. E is the film shown between A and B must be shown earlier than D. D. D is the last film shown. E should be the fifth film shown. E. E is the first 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? 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. A. Kim is in number two None of the dances is in two consecutive numbers or in more than two numbers. The B. Kim is in number five first number in which Tim appears is the one that comes before the first number in 3 C. Tim is in number one which Kim appears. Tim is in number two E. Tim is in number six 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 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 ON. B. A ON, B OFF, C. A OFF, B ON, C OFF. D. A OFF, B OFF, C ON. E. A OFF, B OFF, C OFF. Q: In case, only switch B is ON in the second setting. Which of the following could have been the default setting?

At IOWA University, Students of Economics must complete a total to twelve courses selected from three different parts of the syllabus Comparative economics, environmental economics, and regional economics... in order to graduate, the students must meet the following course distribution requirements:

(i) At least six of the required twelve course must be from the environmental economics.

B. 3 C. 5

(ii) At least five of the required twelve courses must be from comparative economics and regional economics, with at least one, but no more than three, selected from comparative economics.

E. 4

Q: The minimum number of regional economics courses required to fulfil the course distribution requirements is

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. Second B. Third

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.

C. Fourth D. Fifth E. Sixth

(Represent the person with first letter of his name)

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Q: In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke

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

Q: In case, switch A is OFF in the second setting. Which of the following could have been the default setting?

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: 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 hiving more conservative attitudes than Pakistani husbands

E. Employment opportunities for Pakistani wives are greater than Iranian wives.

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.

A. O

B. O C. N

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.

D. L E. M

Q: In case N is the fourth stop, which among the following must be the stop immediately before P?

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.

Q: If Rubina was born in KPK, then she is a citizen of Pakistan, The statement above can be deduced from which of the following statement?

resident either of one of the province or of one of the tribal area. B. Rubina was born either in KPK or

in Sindh.

C. Some people born in KPK are citizens of Pakistan.

D. Everyone born in Pakistan is a citizen of Pakistan.

A. P and Q B. P and X

C. X and Y

D. X and Z E. X, P and Z

E. Rubina is citizen either of Pakistan or of any other country.

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

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- (ii) From Q to P and from Q to R
- (iii) From R to X
- 11 (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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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 -------

Q: Some critics are of the opinion that the intrinsic qualities of photography depend on criticism and hence it is a matter of opinion. It is rather odd, though, that in a legal connection, serious critics themselves quite often behave as if they believed criticism

to be a matter of opinion. why be a critic and teach in universities - in case criticism involves nothing but uttering capricious and arbitrary opinion? In the above argument the author is trying to convince that

A. The qualities of photography are not dependent on criticism.

B. Critics seem hypocritical.

C. People can not judge the art work

D. Photography is an art independent of your opinion

E. artists should teach at universities.

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

captains and the meetinates of those of them were called to attend the armide 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 A. O spoke immediately after G the chairperson as follows: B. The order of the first four speakers was M, G, N, D Each of the first mates delivered their report exactly after her captain. The first 15 C. O's first mate was present captain to speak was Manzoor, and captain Nauman spoke after him. D. A was the fourth speaker after M E. The captains spoke in the order (Represent the person with first letter of his name) M, N, O, L Q: In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be urtrue? 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. A. R Committee A should consist of exactly one member more than that of committee. B. Y 16 C. W D. T 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. Dieticians do not work seriously so Follow us to the real Pakistan leaving behind the disturbances of civilization. Real the people are not satisfied with their Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still treatment spacious, sprawling, and majestic. Experience the freedom and serenity still to be B. The survey was conducted at only the posh areas of big cities, so it is found in based on wrong sample C. Will power play vital role in 17 Dieticians claim that those people who seek help to quit the habit of over eating, are success to quit such habits unable to stop overeating. Therefore, doctors have concluded that success in D. People need more food. breaking such habit is rare. A large-scale survey shows that thousands of people E. Those who succeeded in quitting the over eating did not go to have quit the habit of over eating. If both of the statements above are correct, an dieticians for treatment and so are explanation that resolves their apparent contradiction is. not included in the dieticians' data 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 A. Men spend a lot of time on spacious, sprawling, and majestic. Experience the freedom and serenity still to be thinking about future found in --B. Science is the major hurdle in development Q: Our beliefs regarding the world cannot be certain. Even well confirmed scientific C. Life in contingent so a man should 18 not think about his future. theory is likely to change over a short period. If we do not try to understand, then it is D. Man is a social animal like to be away from the human race. Undoubtedly, life is worth living in other E. Men are different from animals on respects -- as it is no mean thing to be an animal. It is also true that a man wishes to the basis of their reasoning abilities see this speculative domain beyond his next breakfast. From the above discussion it can be concluded that the author believes that A. There was a subsequent increase Follow us to the real Pakistan leaving behind the disturbances of civilization. Real in the use of CNG. Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still B. The busiest roads of the city have spacious, sprawling, and majestic. Experience the freedom and serenity still to be been damaged because of continual found in floods in Nala Layee for las t five Q: The Rawalpindi city council started a publicity campaign for convincing the people 19 C. People are busy enough to bring their vehicles on the roads. to use public transport rather than their own transport in the city. Two months later there was a decrease in private transport on the roads in the mid city area. The city D. City council expended a lot of money to make the campaign council claimed that their publicity campaign was successful to convince people to successful. leave their cars at home and ride the city bus service to work. Which of the following, E. The number of cars has increased if true create the most serious doubt on the conclusion drawn above? due to Bank loaning in the city.

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.

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. Muiahid and Mr. Abid are all smokers. Mrs. Fauzia requires non-smoker

A. A, B and D B. B, C and F C. A, B and E neighbors. E. A, B and F

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

Q: The three employees who are smokers should be seated in the offices.