

## NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	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:  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 O can view the comet neither on Wednesday nor on Thursday, which of the following must be true?	A. Class K views 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.
2	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.  (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.  Q: The minimum number of regional economics courses required to fulfil the course distribution requirements is	A. 1 B. 3 C. 5 D. 2 E. 4
3	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
4	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)  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?	A. O spoke immediately after G B. The order of the first four speakers was M, G, N, D C. O's first mate was present D. A was the fourth speaker after M E. The captains spoke in the order M, N, O, L

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 ON. B. A ON, B ON, C OF In case switches A and B are the only switches ON in the default setting, then turn C. A ON, B OFF, C ON. D. A ON, B OFF, C OFF. 5 switch C ON. In case all the three switches are ON, in default setting, then turn the E. A OFF, B ON, C OFF. 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? 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. B. Y 6 It is possible that there are no members of committee C. Among Z, Y and X none can D. T E. S 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. Iranian women have fewer children than Pakistani women. Follow us to the real Pakistan leaving behind the disturbances of civilization. Real B. Iranian husband would seem to be Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still less satisfied about working wives spacious, sprawling, and majestic. Experience the freedom and serenity still to be who have school going children than Pakistani husbands. C. More Iranian than Pakistani wives 7 Q: About 20 percent of Pakistani husband think that wives with school going children work outside the home. D. Iranian husband is hiving more should work outside the home. Only 10 percent of Iranian husband approves of conservative attitudes than Pakistani mothers working if school going children live at home. Every other Pakistani wife and husbands. every third Iranian wife with school going children has a job outside her home. If the E. Employment opportunities for above statement is correct, which of the following must be true? 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 A. O is stop one. are, in alphabetical order L, M, N, O, P and Q. B. Q is stop three. C. P is stop four. 8 P is the third stop. M is the sixth stop. The stop O is the stop immediately before Q. N D. N is stop five. is the stop immediately before L. E. L is stop six. Q: In case a passenger gets on the bus at O, rides past one of the stops and gets off at P, which of the following must be true? Selfishness is a principal evil in our society. Every person is concerned with only A. The greatest of society is altruism. himself. Personal advancement is the only motivating force in the world today. This B. We must all learn the art of love. C. Our short-term actions may does not mean that individuals are not willing to help one another, on the contrary, contradict our long-term goals. However, these are only short-term occurrences, which ultimately serve our 9 D. Morality is the bedrock of a long-term goal of personal gain. growing community. E. The forces of good will ultimately Q: Which among the following options would most strongly contradict the author;s triumph over evil. attitiude towards society? A. The number of total hotel rooms Follow us to the real Pakistan leaving behind the disturbances of civilization. Real has increased. Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still B. Average cost per room has spacious, sprawling, and majestic. Experience the freedom and serenity still to be C. The number of customers has

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:

increased from 1970 to 1990. D. Average stay per customer has

services has increased.

E. The average price of customer

increased.

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ONOTE NO 10 110 10011 AND INTEREST OF THE STATE OF THE ST 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 A. The qualities of photography are not dependent on criticism. B. Critics seem hypocritical. 11 Q: Some critics are of the opinion that the intrinsic qualities of photography depend C. People can not judge the art work on criticism and hence it is a matter of opinion. It is rather odd, though, that in a legal D. Photography is an art independent of your opinion connection, serious critics themselves quite often behave as if they believed criticism E. artists should teach at universities. 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 reason of almost all forest fires is natural. Selfishness is a principal evil in our society. Every person is concerned with only B. Human beings try to extinguish the himself. Personal advancement is the only motivating force in the world today. This fire for gaining heat. does not mean that individuals are not willing to help one another, on the contrary, -C. Studies indicate that forest fires -. However, these are only short-term occurrences, which ultimately serve our regularly occurred in the times prior 12 long-term goal of personal gain. to human occupation of forest areas. D. The animal and plant life Q: Many people especially the experts in the field of forestry are against all forest destroyed by forest fires seldom fires. They demand that all forest fires show that in the long run, forest fires may in represents endangered species. fact, be beneficial to the ecology as a whole. Among the following, which statement E. Occasionally, the small fire would logically follow from one of the observations referred to in the passage above? prevents a large scale fire by the accumulation of flammable materials. A. Sahiwal has larger population than Selfishness is a principal evil in our society. Every person is concerned with only Burewala. himself. Personal advancement is the only motivating force in the world today. This B. Most people of Burewala work in does not mean that individuals are not willing to help one another, on the contrary, ----Sahiwal. ---. However, these are only short-term occurrences, which ultimately serve our C. Each people in Sahiwal spends 13 less time surfing internet than does a long-term goal of personal gain. person in Burewala. D. The internet bandwidth is 128 Q: a greater number of computers are sold in sahiwal than in Burewala. Therefore, kbps in both towns. the people of Sahiwal are better informed about world events than are the people of E. Bandwidth usage in Burewala is Burewala. Each of the following, if ture, weakness the conclusion above EXCEPT? more than that in Sahiwal 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 (ii) From Q to P and from Q to R (iii) From R to X 14 (iv) From X to Q and from X to Y D. 3 (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 greatest number of stations that can be visited without visiting any station more than once. is: 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 rues given below. A brand containing Livana, should also contain Novajana twice that of Livana. A. One part Livana, one part

A brancd 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.

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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?

## Novaiana, 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

	Each candidate should serve on exactly one of the committees.	A. 3
16	Committee A should consist of exactly one member more than that of committee.	B. 4 C. 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.	D. 6 E. 7
	Q: In case T and Z are the individuals serving on committee B, how many of the nine individuals should serve on committee C?	
	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.	A. Second. B. First
17	B must be shown earlier than D.	C. Third D. Fifth
	E should be the fifth film shown.	E. Fourth
	Q: In case B, D and E are to be shown one after the other in the given order, the position from first to fifth in which A could possibly be shown is	
8	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,	A. People should not be held accountable for the behavior of othe people. B. People have control over their own behavior. C. People cannot control the behavior of other people.
	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?	behavior of other people.  D. Behavior that cannot be controlle should not be punished.  E. People have control over behavior that is subject to capital punishment
	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.	A. A is shown earlier than B B. B is shown earlier than C
19	B must be shown earlier than D.	C. C is shown earlier than E D. D is shown earlier than A
	E should be the fifth film shown.	E. E is shown earlier than B
	Q: In case D and E are shown as far apart from each other as possible, which among the following would be true?	
	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 rues given below.	
	A brand containing Livana, should also contain Novajana twice that of Livana.	
	A brancd containing Mathia, must also have equal quantity of Oxia.	A. One part Livana B. One part Mathia C. Two parts Novajana D. One part Oxia E. Two parts Piask
20	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	