

NAT II Biological Science Analytical

Sr	Questions	Answers Choice
1	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: of the nine individuals, the largest number that can serve together on committee C is	A. 9 B. 8 C. 7 D. 6 E. 5
2	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	A. First B. Second C. Third D. Fourth E. Fifth
3	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. 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 only switches B is ON in the default setting, what must be the second setting?	A. A ON, B ON, C ON, B. A ON, B ON, C OFF, C. A ON, B OFF, C ON, D. A OFF, B OFF, C ON, E. A OFF, B OFF, C OFF,
4	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. Sahiwal has larger population than Burewala. B. Most people of Burewala work in Sahiwal. C. Each people 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
	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

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.

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A. Second B. Third C. Fourth

D. Fifth

(Represent the person with first letter of his name)

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

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: The Rawalpindi city council started a publicity campaign for convincing the people 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 council claimed that their publicity campaign was successful to convince people to leave their cars at home and ride the city bus service to work. Which of the following, if true create the most serious doubt on the conclusion drawn above?
- A. There was a subsequent increase in the use of CNG.
- B. The busiest roads of the city have been damaged because of continual floods in Nala Layee for las t five months.
- C. People are busy enough to bring their vehicles on the roads.
- D. City council expended a lot of money to make the campaign successful.
- E. The number of cars has increased due to Bank loaning in the city.

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(Represent the person with first letter of his name)

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

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

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Q: Choose the best option to complete the above statement:

A. The natural beauty of our land

- B. The fascinating urban centers
- C. The wild terrain of NWFP D. One's own subconscious
- E. The great sprawling cities of the upper Pakistan

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:

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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.

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. 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 idea candidate to occupy the office farthest from Mr. Zahid would be.

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11	Each candidate should serve on exactly one of the committees.	
	Committee A should consist of exactly one member more than that of committee.	A. Y and T B. X and U C. Y, X and W D. W, V and U E. Z, X, U and R
	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 chemist is preparing a nutriment using eight different vitamins and mineralsA, 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	A. B B. D C. H D. F E. Z
12	(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?	
13	Rizwan was born in 1956, and so in 7965 he was nine years old. If we per use this example, it is clear that the last two digits of a person's birth will be the same as the last two digits of the year of that person's ninth birthday, except that the position of the digits will be reversed. Identify, which is the best criticism of the assertions made above.	A. The generalization is valid only for those, in which last digit of their birth years is greater than four. B. The generalization is applicable only for those birth years that do not end in two zeroes. C. This example is not best illustration of the fact D. The generalization is valid only for those birth years in which the difference of the last two digits is one E. The generalization is valid only for those birth years that ends with 6
14	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. 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.	A. N B. L C. P D. O E. Q
	Q: In case L is the second stop, which among the following must be the stop immediately before M?	L. Q
	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	A. 4
15	(iv) From X to Q and from X to Y	A. 4 B. 5 C. 6
-	(v) From Z to P, from Z to Y and from Z to R	D. 3 E. 2
	(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:	

towards all people. But, another group of cat lovers declare that the principal virtue of the B. Groups of animal lovers are cat is its peculiar friendliness towards its provider. 16 friendly Which of the following is true of the claims of both dogs and cats lovers? Friendliness is a virtue D. They apply the same standard E. Uncommon virtue of friendliness Selfishness is a principal evil in our society. Every person is concerned with only A. Fauzia has fewer marks than himself. Personal advancement is the only motivating force in the world today. This Shugufta. does not mean that individuals are not willing to help one another, on the contrary, -B. Rizwana has more marks than . However, these are only short-term occurrences, which ultimately serve our Shugufta 17 long-term goal of personal gain. C. Fauzia has fewer marks than Zahid. D. Zahid has more marks than Q: In an examination, Rizwana has more marks than Fauzia. Shugufta has fewer Rizwana. marks than Zahid. Fauzia and Abid have more marks than Shugufta. If the above is E. Zahid has more marks than Abid. ture, which of the following must also 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 A single brand never contains Novajana as well as Oxia. 18 C. Two parts Novajana D. One part Oxia Oxia and Piask should not be used together. E. Two 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: Among the following, the addition of which combination would make a brand containing two parts Novajana and one part Piask conformable with the conditions? A. The taxpayers pay for prenatal care of all immigrants. Selfishness is a principal evil in our society. Every person is concerned with only B. Pregnant women who do not himself. Personal advancement is the only motivating force in the world today. This receive prenatal care are more likely does not mean that individuals are not willing to help one another, on the contrary, ---to experience health problems than --. However, these are only short-term occurrences, which ultimately serve our other pregnant women. long-term goal of personal gain. C. Benefits for prenatal care serve to 19 promote undocumented immigration. Q: As any ecomist knows, healthy people pose less of an economic burden to D. Babies whose mothers did not society than unhealthy people. Not surprisingly, then, every rupee our government receives prenatal care are just as healthy as other babies. spends on prenatal care for undocumented immigrants will save taxpayers of this E. Babies born in this state to country three rupees. Which of the following, if true, would best explain why the undocumented immigrant parents are statistics cited above are not surprising? entitled to infant care benefits from government. 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: A. A ON, B ON, C ON. In case only switch A is ON in the default setting, then turn switch B ON. B. A ON, B ON, C OFF. 20 In case switches A and B are the only switches ON in the default setting, then turn D. A ON, B OFF, C OFF. 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.

been the default setting?

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

A group or dog lovers decide that the philopal virtue of the dog is its general mendiness

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