

NAT II Physical Science Analytical

Sr	Questions	Answers Choice
1	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. The fatality rate for other age groups has remained steady over the past five years. B. Air pollution has been increased over the period of past five years. C. Government has implemented a malaria control campaign last year D. Health conditions in the country are better than has been previously. E. Death rate of pregnant women has decreased.
	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	A. Hamza's interview will take place on Thursday B. Saleem's interview will take place on Friday C. Amin's interview take place on Saturday D. Osama's interview will take place on Saturday E. Amin's interview will take place on
	(ii) No more than two interviews will take place on any day	
2	(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.	Sunday
	(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.	
	Q: If Hamza and Osama have their interviews on the same day which of the following be must be true?	
	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:	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.
3	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: In case F and E are the fifth and sixth presenters respectively then which of the following 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 ON.
		D. A. ONL. D. OFF. O. ONL

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

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.

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B. A ON, B OFF, C ON. C. A OFF, B ON, C OFF. D. A OFF, B OFF, C ON. E. A OFF, B OFF, C OFF. 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. M, A, N, G, O, L, D B. M, D, N, G,L,O, A Each of the first mates delivered their report exactly after her captain. The first C. M, N, A,L, D, O,G captain to speak was Manzoor, and captain Nauman spoke after him. D. M, N, A, O, D, L, G E. M. N. G. D. O. L. A (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. Every citizen of the Pakistan is One's ability to adjust in an environment successfully leads to happiness. War at a resident either of one of the province universal level destroys the weaker people, who are the most unable to adjust to their or of one of the tribal area. environment. Thus, war at the universal level puts weakling out of their misery and B. Rubina was born either in KPK or allows more space for their predators to enjoy life in a better manner. As those in Sindh. C. Some people born in KPK are actions have to be performed, which maximize the level of happiness of the greatest citizens of Pakistan. number, war at a universal level should take place. D. Evervone born in Pakistan is a citizen of Pakistan. Q: If Rubina was born in KPK, then she is a citizen of Pakistan, The statement above E. Rubina is citizen either of Pakistan can be deduced from which of the following statement? or of any other country. 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 A. First restrictions: B. Second C. Third B should present his paper immediately before C's presentation; their presentations D. Fourth cannot be separated by the lunch break. D must be either the first or the last scientist F. Fifth to present his paper. Q: In case F is to present his paper immediately after D presents his paper, C could be scheduled for which of the following places in the order of presenters? 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: A. 1 (i) At least six of the required twelve course must be from the environmental B. 3 economics. C. 5 D. (ii) At least five of the required twelve courses must be from comparative economics E. 4 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

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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)

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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
- 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 & amp; third speakers were captains.

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

- A. Muzzaffar does not know how to drive
- B. Muzzaffar is an addict of drugs

C. It is obvious that everyone has

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long-term goal of personal gain.

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?`

accidents in bad weather.

D. Some thing, in this argument is hidden

E. The given statement is wrong.

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

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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: In case T, S and X are the only individuals serving on committee B, the total membership of committee C should be:

A. Z and Y

B. Z and W C. Y and V

D. Y and U

E. X and V

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(Represent the person with first letter of his name)

Q: In case A is the third of the first mates to speak, and L is the captain whose first mate is nor present, which among the following statements must be true?

A. A spoke sometime before L.

B. D spoke sometime before (

C. L spoke sometime before O.

D. O spoke sometimes before L. E. O spoke sometime before N.

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 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: Adding more amount of Novajana will make which of the following brands conformable with the conditions?

A. One part Livana, one part

Novajana, 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

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

A. Mrs. Fauzia B. Mr. Mujahid C. Mr. Shahid D. Mr. Abid

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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. 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. 4 C. 5 16 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 T and Z are the individuals serving on committee B, how many of the nine individuals should serve on 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 B. D 17 C. H (iii) If C is used, at least two of A, B and F must also be used D. F F. 7 (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? 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 OFF, C ON. C. A ON, B OFF, C OFF. D. A OFF, B ON, C OFF. 18 In case switches A and B are the only switches ON in the default setting, then turn E. A OFF, B OFF, C ON. 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, in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting? 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 A. First whereas the other three will present in the afternoon session. The lectures have to be B. Second scheduled in such a way that they comply with the following restrictions: B should present his 19 C. Third paper immediately before C's presentation; their presentations cannot be separated by the D. Fourth E. Fifth lunch break. D must be either the first or the last scientist to present his paper.Q: In case C is to be the fifth scientist to present his paper, then B must be 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 20 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?

E. Mrs. Ruby

neignbors.

