

NAT II Physical Science Analytical

Sr	Questions	Answers Choice
1	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	A. There are no future contingent things. B. It is not true that the king has knowledge of only necessary things. C. The king has knowledge of no contingent future things. D. It is not possible for us to know the king. E. The king has knowledge of everything.
	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
	(ii) No more than two interviews will take place on any day	B. Saleem's interview will take place on Friday
2	(iii) No more than three interviews will take place on any two consecutive days	C. Amin's interview take place on Saturday
	(iv) Ali's interview must take place on Saturday.	D. Osama's interview will take place on Saturday
	(v) Amin's interview must place on the same with another interview.	E. Amin's interview will take place on 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?	
	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	A. Dieticians do not work seriously so the people are not satisfied with their treatment B. The survey was conducted at only the posh areas of big cities, so it is based on wrong sample
3	Dieticians claim that those people who seek help to quit the habit of over eating, are unable to stop overeating. Therefore, doctors have concluded that success in breaking such habit is rare. A large-scale survey shows that thousands of people have quit the habit of over eating. If both of the statements above are correct, an explanation that resolves their apparent contradiction is.	C. Will power play vital role in success to quit such habits D. People need more food. E. Those who succeeded in quitting the over eating did not go to dieticians for treatment and so are not included in the dieticians' data
4	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	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
	Q: Choose the best option to complete the above statement: 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	.,,
5	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	A. O B. Q C. N D. L
	is the stop immediately before L.	E. M

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

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. The taxpayers pay for prenatal care of all immigrants.

B. 3

C. 5

D. 2

E. 4

B. Pregnant women who do not receive prenatal care are more likely to experience health problems than other pregnant women.

C. Benefits for prenatal care serve to promote undocumented immigration.
D. Babies whose mothers did not receives prenatal care are just as healthy as other babies.

E. Babies born in this state to undocumented immigrant parents are entitled to infant care benefits from government.

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 long-term goal of personal gain.

Q: As any ecomist knows, healthy people pose less of an economic burden to society than unhealthy people. Not surprisingly, then, every rupee our government spends on prenatal care for undocumented immigrants will save taxpayers of this country three rupees. Which of the following, if true, would best explain why the statistics cited above are not surprising?

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:

A. The number of total hotel rooms has increased.

B. Average cost per room has increased.

C. The number of customers has increased from 1970 to 1990.

D. Average stay per customer has increased.

E. The average price of customer services has increased.

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(iv) Ali's interview must take place on Saturday.

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(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.

B. 2

C. 3

D. 4

Q: If the director decides to take two interviews on Thursday and two on Sunday, how many candidates would be eligible to interview on Friday?

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.

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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.

11 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 of following which is an acceptable brand in accordance with the rules?

A. One part Livana, one part Piask

B. Two parts Mathia, two parts

Livana

C. Three parts Novajana, three parts

Livana

D. Four parts Oxia, four parts Mathia

E. Five parts Piask, five parts Mathia

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.

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

Q: The idea office for Mr. Mujahid would be.

A B B. F

C. A

E. D

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 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
- (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:

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

A. W and S

A. P and Q

B. P and X

C. X and Y

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

B. V and U C. V and T

D. U and S

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	should serve on committee A?	
	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.
16		B. First C. Third
	B must be shown earlier than D.	D. Fifth E. Fourth
	E should be the fifth film shown. 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	
		A. People suffering from Kay fever are the victims of the golden viper of Sindh.
17	In an in vitro study, 160 white cars 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. Q: Which of the following statements would most seriously weaken the above discussion?	B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment. C. The natural habitats of white cats does not contain any of the elemen found in Salt X. D. The 160 white cats used in the experiment were kept isolated from
	discussion:	each other. E. The scientists administered the injections being ignorant of the contents of the salt used.
18	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. A is the second film shown. B. B is the second film shown.
	A must be shown earlier than C.	C. C is the third film shown. D. D is the fourth film shown.
	B must be shown earlier than D.	E. E is the fourth film shown.
	E should be the fifth film shown. Q: In case, C is shown earlier than E, which among the following will hold true?	
19	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, 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,
	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?	
	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. A Guide to Pakistan's intinsic beauty
20	spacious, sprawling, and majestic. Experience the freedom and serenity still to be found in	B. Exploring the Great Outdoors C. The Quiet Beauty of Harappa D. how the Eagle Became Extinct

T, S and R none can serve on committee C.