

NAT II Physical Science Analytical

Sr	Questions	Answers Choice
	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:	A. A, D, Z B. B, H, E C. C, D, H D. C, E, Z E. E, H, F
	(i) If B is used, both C and Z must also be used	
	(ii) E and H must always be used together	
1	(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: By the addition of exactly one more mineral, which of the following could make an acceptable combination of vitamins and minerals?	
2	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 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.	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 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
3	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
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, However, these are only short-term occurrences, which ultimately serve our long-term goal of personal gain. Q: Which among the following options would most strongly contradict the author;s attitude towards society?	A. The greatest of society is altruism. B. We must all learn the art of love. C. Our short-term actions may contradict our long-term goals. D. Morality is the bedrock of a growing community. E. The forces of good will ultimately triumph over evil.
	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

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economics.

D. 2 E. 4

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

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.

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

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

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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.
- 4. Between Ayesha and Javed's cottage there is just one vacant house.
- 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

A. I only B. II only

C. I and III only

D. II and III only

E. I, II and III

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.

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:

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

Or In account default cotting the critiches A and D are ON and the critich O is OFF

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
- (ii) No more than two interviews will take place on any day
- A. Ali B. Amin
- (iii) No more than three interviews will take place on any two consecutive days
- C. Omer

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

- E. Osama
- (v) Amin's interview must place on the same with another interview.
- (1) minimum manipus on the same management method
- (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 only one interview takes place on Thursday which candidate could have that interview?

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. Are ignored by young generation B. Are an obstacle in the

development in new tunes
C. Should be stored in museums.

C. Should be stored in museums.D. Lose their distinctive features as time passes.

Q: Classical songs occupy a unique and peculiar position in every culture. They are imperishable as cultural landmarks, but the emotions expressed in some of the folks are often superseded by newer tunes. However, the classics survive just as heritage, as imposing features of the society, yet unsuited for habitation unless remodeled. The principle point put forth in the above passage is that classical works

E. Need our respect and admiration even if their tunes and ideas they express are no longer current.

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.

long-term goal of personal gain.

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 V

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.

C. Y, X and W D. W, V and U E. Z, X, U and R

Q: Among the following combinations which could constitute the membership of committee C?

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. Iranian women have fewer children than Pakistani women.

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?

- 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.

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A. B B. F

B. F C. A

D. C

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ricigribors.

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

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: Our beliefs regarding the world cannot be certain. Even well confirmed scientific theory is likely to change over a short period. If we do not try to understand, then it is like to be away from the human race. Undoubtedly, life is worth living in other respects -- as it is no mean thing to be an animal. It is also true that a man wishes to see this speculative domain beyond his next breakfast. From the above discussion it can be concluded that the author believes that

A. Men spend a lot of time on thinking about future B. Science is the major hurdle in development

- C. Life in contingent so a man should not think about his future.
- D. Man is a social animal

E. Men are different from animals on the basis of their reasoning abilities

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.

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B must be shown earlier than D.

E should be the fifth film shown.

Q: In case, C is shown earlier than E, which among the following will hold true?

A. A is the second film shown.
B. B is the second film shown.

C. C is the third film shown.

D. D is the fourth film shown.

E. E is the fourth film shown.

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:

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Q: In case, all three switches are ON in the second setting, which among the following could have been the default setting?

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

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:

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

A. A ON, B ON, C ON. 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.

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:

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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.

19

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: a greater number of computers are sold in sahiwal than in Burewala. Therefore, the people of Sahiwal are better informed about world events than are the people of Burewala. Each of the following, if ture, weakness the conclusion above EXCEPT?

- 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

20