

NAT II Physical Science Analytical

Sr	Questions	Answers Choice
1	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
2	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: 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
3	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 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.
4	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.
	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.	A. O is stop one.

that are, in alphabetical order L, M, N, O, P and Q.

r is the third stop. In is the sixth stop. The stop ϕ is the stop infinediately before ϕ . In 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? 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 guite often throughout the day. Mr. Mujahid and Mr. Zahid need adjacent offices as they need to consult each other often while A. Mrs. Fauzia working. Mrs. Fauzia is a senior employee and has to be allotted the office marked B. Mr. Muiahid E, having the biggest window. Mr. Abid requires silence in the offices next to his. Mr. C. Mr. Shahid Shahid, Mr. Mujahid and Mr. Abid are all smokers. Mrs. Fauzia requires non-smoker neighbors. 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. 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. 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 Rizwan was born in 1956, and so in 7965 he was nine years old. If we per use this example, only for those birth years that do not it is clear that the last two digits of a person's birth will be the same as the last two digits of end in two zeroes. the year of that person's ninth birthday, except that the position of the digits will be reversed. C. This example is not best Identify, which is the best criticism of the assertions made above. 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 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. C. Two parts Novajana D. One part Oxia E. Two parts Piask 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 the following, the addition of which combination would make a brand containing two parts Novajana and one part Piask conformable with the conditions? 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. Men spend a lot of time on spacious, sprawling, and majestic. Experience the freedom and serenity still to be thinking about future 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

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

like to be away from the human race. Undoubtedly, life is worth living in other

can be concluded that the author believes that

B. Science is the major hurdle in

not think about his future.

D. Man is a social animal

C. Life in contingent so a man should

E. Men are different from animals on

the basis of their reasoning abilities

development

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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. A, D, Z B. B, H, E (iii) If C is used, at least two of A, B and F must also be used C. C, D, H D. C, E, Z (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? 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 Novaiana, five parts Piask A brancd containing Mathia, must also have equal quantity of Oxia. B. Two parts Mathia, two parts Novajana, two parts Piask A single brand never contains Novajana as well as Oxia. C. One part Mathia, one part Novajana, one part Piask D. Two parts Mathia, one part Oxia and Piask should not be used together. Novajana, four parts Piask E. Two parts Novajana, one part A blend containing Piask should contain it in such a proportion that the total amount Oxia, three parts Piask 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. The general public has an interest in the free exchange of different political views. In an in vitro study, 160 white cars were injected with Salt X. 160 other white cats B. Every person who uses wall injected with placebo. In two weeks, 39% of the white cats, who were injected with chalking for the promotion of ideas is Salt X showed symptoms of Kay fever. Hence, it can be concluded that Kay fever is a radical or fanatic. caused by some elements similar to the elements in Salt X. C. Radicals and fanatics prefer the use of public property while propagating their viewpoint. Q: Wall chalking on public property should be outlawed. Radicals and fanatics have D. Legal constraints should be equal no right to use public property when promoting their unsavory views. The argument for all. above is based on the idea E. Any promotional activity, which is against public interest, should be protected by law. A. Animal have not a sense to A group of dog lovers declare that the principal virtue of the dog is its general friendliness understand human behaviour 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. friendly Which of the following is true of the claims of both dogs and cats lovers? C. Friendliness is a virtue D. They apply the same standard E. Uncommon virtue of friendliness 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

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- A. Kim is in number two
- B. Kim is in number five
- C. Tim is in number one
- Tim is in number two
- E. Tim is in number six

A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza.

In an in vitro study, 160 white cars were injected with Salt X. 160 other white cats inicated with placebal in the color 200/ afthe with acts who were inicated with

B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally

16	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 would most strengthen the argument above?	found in salt X C. Almost all the white cats died within two days after the first symptom appeared. D. Normally the rate of Kay fever among white cats is less than 0.01%. E. Within two weeks, about 40% of the white cats, who were injected with placebo, also contracted Kay fever.
17	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: In case R is the only individual serving on committee B, which among the following should serve on committee A?	A. W and S B. V and U C. V and T D. U and S E. T and S
18	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 taxpayers pay for prenatal care of all immigrants. 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.
19	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.
20	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. B must be shown earlier than D. E should be the fifth film shown. O 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.

 $\ensuremath{\mathsf{Q}}\xspace$ In case, $\ensuremath{\mathsf{C}}\xspace$ is shown earlier than E, which among the following will hold true?

injected with piacebo. In two weeks, 59% of the write cats, who were injected with