

## NAT I Engineering Analytical

Sr	Questions	Answers Choice
1	<p>Choose the best answer; that is the response that most accurately and completely answers the question.</p> <p>Q,1-2. In an in vitro study 160 white cats were injected with Salt X. 160 other white cats were injected with placebo. In two weeks 39% of the white cats who were injected with Salt X showed symptoms of Key fever? Hence it can be concluded that key fever is caused by some elements similar to the elements in Salt X.</p> <p>1. Which of the following statements would most seriously weaken the above discussion?</p>	<p>A. People suffering from Kay fever are the victims of the golden viper of Sindh.</p> <p><b>B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment.</b></p> <p>C. The natural habitats of white cats does not contain any of the elements found in Salt X.</p> <p>D. The 160 white cats used in the experiment were kept isolated from each other.</p> <p>E. The scientists administered the injections being ignorant of the contents of the salt used.</p>
2	<p>Choose the answer you think is most appropriate among the given options. Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand 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. Adding more amount of Novajana will make which of the following brands conformable with the conditions?</p>	<p><b>A. One part Livana, one part Novajana, five parts Piask</b></p> <p>B. Two parts Mathia, two parts Novajana, two parts Piask</p> <p>C. One part Mathia, one part Novajana, one part Piask</p> <p>D. Two parts Mathia, one part Novajana, four parts Piask</p> <p>E. Two parts Novajana, one part Oxia, three parts Piask</p>
3	<p>Choose the answer you think is most appropriate among the given options. 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 papers in the morning session before the lunch break whereas the other three will be presented in the afternoon session. The lectures have to be scheduled in such a way that they comply with the following restrictions: B's 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. 45. In case C is to be the fifth scientist to present his paper, then B must be.</p>	<p>A. First</p> <p>B. Second</p> <p>C. Third</p> <p>D. Fourth</p> <p><b>E. Sixth</b></p>
4	<p>Choose the answer you think is most appropriate among the given options. Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand 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. 9. Among the following the addition of which combination would make a brand containing two parts Novajana and one part Piask conformable with the conditions?</p>	<p>A. One part Livana</p> <p>B. One part Mathia</p> <p>C. Two parts Novajana</p> <p>D. One part Oxia</p> <p><b>E. Two parts Piask</b></p>
5	<p>Choose the best answer; that is the response that most accurately and completely answers the question. In an in vitro study 160 white cats were injected with Salt X. 160 other white cats were injected with placebo. In two weeks 39% of the white cats who were injected with Salt X showed symptoms of Key fever? Hence it can be concluded that key fever is caused by some elements similar to the elements in Salt X. 3. Wall chalking on public property should be outlawed. Radicals and fanatics have no right to use public property when promoting their unsavory views. The argument above is based on the idea.</p>	<p>A. The general public has an interest in the free exchange of different political views.</p> <p><b>B. Every person who uses wall chalking for the promotion of ideas is a radical or fanatic,</b></p> <p>C. Radicals and fanatics prefer the use of public property while propagating their viewpoint.</p> <p>D. Legal constraints should be equal for all</p> <p>E. Any promotional activity which is against public interest should be protected by law</p>
6	<p>Choose the answer you think is most appropriate among the given options. Four captains and the first mates of three of them were called to attend the annual meeting at head quarters. 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) 23. Among the following statements, which would make M, D, N, G, L, O, A the only possible sequence of speakers?</p>	<p>A. D is M's first mate; G is N's first mate; A is O's first mate.</p> <p><b>B. D is M's first mate; G is first mate; A was the second to speak after L.</b></p> <p>C. The order of the first four speakers was M, D, N, G.</p> <p>D. The order of the last three speakers was L, O, A</p> <p>E. The order in which the captains spoke was M, N, L, O.</p>
		<p>A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza.</p>

7	<p>Choose the best answer; that is the response that most accurately and completely answers the question. In an in vitro study 160 white cats were injected with Salt X. 160 other white cats were injected with placebo. In two weeks 39% of the white cats who were injected with Salt X showed symptoms of Key fever? Hence it can be concluded that key fever is caused by some elements similar to the elements in Salt X2. Which of the following would most strengthen the argument above?</p>	<p>B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally 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.</p>
8	<p>Choose the answer you think is most appropriate among the given options. 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. Committees A should consist of exactly one member more than that of committees B. It is possible that there are no members of committees 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. 15. In case any of the nine individuals serves on committee C, which among the following could not be the candidate to serve on committee A?</p>	<p>A. R B. Y C. W D. T E. S</p>
9	<p>Choose the answer you think is most appropriate among the given options. 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 papers in the morning session before the lunch break whereas the other three will be presented in the afternoon session. The lectures have to be scheduled in such a way that they comply with the following restrictions: B's 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. 46. B could be placed for any of the following places in the order of presenters EXCEPT</p>	<p>A. First B. Second C. Third D. Fourth E. Fifth</p>
10	<p>Choose the answer you think is most appropriate among the given options. Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand 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. 11. Among the below mentioned brands, which can be made agreeable by the eliminating some or all of one type of tealeaves?</p>	<p>A. One part Livana, one part Mathia, one part Novajana, four parts Piask B. One part Livana, two parts Novajana, one part Oxia, four parts Piask C. One part Livana, one part Mathia, one part Oxia, one part Piask D. Two parts Livana, two parts Novajana, one part Oxia, two parts Piask E. Two parts Mathia, one part Novajana, two parts Oxia, three parts Piask</p>
11	<p>Choose the answer you think is most appropriate among the given options. 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. 35. In case C is shown earlier than E. Which among the following will hold true?</p>	<p>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.</p>
12	<p>Choose the best answer; that is the response that most accurately and completely answers the question. In an examination Rizwana has more marks than the Fauzia. Shugufta has fewer marks than the Zahid, Fauzia and Abid have more marks than Shugufta. If the above is true, which of the following must also be true?</p>	<p>A. The Fauzia has fewer marks than the Shugufta. B. Rizwana has more points than the Shugufta C. Fauzia has fewer points than Zahid. D. Zahid has more points than the Rizwana. E. Zahid has more points than Abid.</p>
13	<p>Choose the best answer; that is the response that most accurately and completely answers the question. Dieticians claim that treatment of 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</p>	<p>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 quite such habits D. People need more food. E. Those who succeed in quitting the over eating do not go dieticians for treatment and so are not included in the dieticians data</p>
14	<p>Choose the answer you think is most appropriate among the given options. On a factory control room, there are three ON-OFF switches on central control panel, labeled A, B, and C. They are changed from 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 the 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 all switches, if any that are ON. 33. In case only switch B is ON in the second setting, Which of the following could have been the default setting?</p>	<p>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.</p>
15	<p>Choose the best answer; that is the response that most accurately and completely answers the question. Some cities are of the opinion that the intrinsic qualities of photography depend on criticism and hence it is a matter of opinion. It is rather odd, though that in a legal connections serious critics themselves quite often behave as if they believed criticism to be a</p>	<p>A. The qualities of photography are not dependent on criticism. B. Critics seem hypocritical. C. People can not judge the art work</p>

matter of opinion, Why be a critic and teach in universities in case criticism involves nothing but uttering capricious and arbitrary opinions? In the above argument the author is trying to convince that

D. Photography is an art independent of your opinion.  
E. Artists should teach at universities.

16 Choose the answer you think is most appropriate among the given options. New species of bacteria A, causes the infectious disease A. The first symptoms appear after two days since the bacteria A enters the body of the victim. The carrier for the bacteria is some flies, mosquitoes, and bees. A mosquito bit Javed on Monday, February 6. Farooq worked with Javed the next day, Tuesday, February 7. There were no other possibilities of exposure to disease A. 24. In case Javed showed symptoms of disease A, which of the following statements would be true?  
d. Javed contracted the Disease A from Farooq.  
e. Javed first noticed symptoms of Disease A on February 8.  
f. The fly that Javed was bitten by was not a carrier of the bacteria A.

A. I only  
B. II only  
C. III only  
D. I and II only  
E. I and III only

17 Choose the best answer; that is the response that most accurately and completely answers the question. Follow is 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 \_\_\_\_\_, 8. The above paragraph is most likely to appear in which of the following?

A. A Guide to Wild life in Pakistan  
B. Exploring the great Outdoors  
C. The Quiet Beauty of Harappa  
D. How the Eagle Became Extinct  
E. Returning of Pakistan.

18 Choose the answer you think is most appropriate among the given options. 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. 44. 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?

A. O is stop one.  
B. Q is stop three.  
C. P is stop four.  
D. N is stop five.  
E. L is stop six.

19 Choose the answer you think is most appropriate among the given options. On a factory control room, there are three ON-OFF switches on central control panel, labeled A, B, and C. They are changed from 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 the 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 all switches, if any that are ON. 34. 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.

20 Choose the answer you think is most appropriate among the given options. Two or more tealeaves out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand 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. 7. Among the 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