

## NAT I Computer Science Analytical

Sr	Questions	Answers Choice
1	Choose the answer you think is most appropriate among the given options. 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 one living in his or her own cottage. There are no others staying in the same row of houses. i. Ayesha, Tahir, and Javed do not want to stay in any cottage which is at the end of the row. ii. Elena and Ayesha are unwilling to stay besides any occupied cottage. iii. Kiran is next to Pervaiz and Javed. iv. Between Ayesha and Javed's cottage there is just one vacant house. v. None of the girls occupies adjacent cottages. vi. The house occupied by Tahir is next to an end cottage. 2. How many of them occupy cottages next to a vacant cottage?	A. 2 B. 3 <b>C. 4</b> D. 5 E. 6
2	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. 30. In case only switch B is ON in the default setting, what must be the second setting?	A. A ON, B ON, C ON. B. A ON, B ON, C OFF. <b>C. A ON, B OFF, C ON.</b> D. A OFF, B OFF, C ON. E. A OFF, B OFF, C OFF.
3	Choose the answer you think is most appropriate among the given options. New specie 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>B. II only</b> C. III only D. I and II only E. I and III only
4	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.	A. The general public has an interest in the free exchange of different political views. <b>B. Every person who uses wall chalking for the promotion of ideas is a radical or fanatic.</b> C. Radicals and fanatics prefer the use of public property while propagating their viewpoint. D. Legal constraints should be equal for all E. Any promotional activity which is against public interest should be protected by law
5	Choose the best answer; that is the response that most accurately and completely answers the question. About 20 percent of Pakistani husband think that wives with school going children to work outside the home. Only 10 percent of Iranian husband approves of mothers working if school going children live at home. Every day Pakistani wife and every third Iranian wife with school going children has a job outside her home. If above statement is correct, which of the following must be true?	A. Iranian women have fewer children than Pakistani women. <b>B. Iranian husband would seem to be less satisfied about working wives who have school going children than Pakistani husbands.</b> C. More Iranian than Pakistani wives work outside the home. D. Iranian husband is having more conservative attitudes than Pakistani husbands are. E. Employment opportunities for Pakistani wives are greater than for Iranian wives.
6	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 headquarters. 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) 19. In case A is the third of the first mates to speak, and L is the captain whose first mate is not present, which among the following statements must be true?	A. A spoke sometime before L. <b>B. D spoke sometime Before O.</b> C. L spoke sometime Before O. D. O spoke sometime Before L. E. O spoke sometime Before N.
7	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 shown earlier than C. B must shown earlier than D. E should be the fifth film shown. 36. In case D is to be shown earlier than A Then for which of the following is exactly the one position from first through fifth in which it can be scheduled to be shown?	A. A B. B <b>C. C</b> D. D E. E

8	Choose the best answer; that is the response that most accurately and completely answers the question. Many people do not read the books they purchase. For example, seventeen percent of college students in Pakistan have text books but only forty-five percent of them read more than once a year, and only seventeen percent read more than once a week. Which of the following if true casts doubt on the claim that most people read the books they purchase?	<p>A. Regular book readers are most susceptible to eye diseases.</p> <p>B. Reader often exaggerate about their book reading.</p> <p>C. Many people buy books to pretend themselves as a scholar</p> <p>D. The sale of novels is more than that of other types.</p> <p>E. Reading speed is increased by frequent readings.</p>
9	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 connection, serious critics themselves quite often behave as if they believed criticism to be a 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	<p>A. The qualities of photography are not dependent on criticism.</p> <p>B. Critics seem hypocritical.</p> <p>C. People can not judge the art work</p> <p>D. Photography is an art independent of your opinion.</p> <p>E. Artists should teach at universities.</p>
10	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 _____. 7. Choose the best option to complete the above statement:	<p>A. The natural beauty of our land.</p> <p>B. The fascinating urban centers</p> <p>C. The wild terrain NWFP</p> <p>D. One's own subconscious</p> <p>E. The great sprawling cities of the upper Pakistan</p>
11	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. 2. Which of the following would most strengthen the argument above?	<p>A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza.</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.</p> <p>C. Almost all the white cats died within two days after the first symptom appeared.</p> <p>D. Normally the rate of Kay fever among white cats is less than 0.01 %.</p> <p>E. Within two weeks about 40 % of the white cats who were injected with placebo also contracted Kay fever.</p>
12	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>A. A is the second film shown.</p> <p>B. B is the second film shown.</p> <p>C. C is the third film shown.</p> <p>D. D is the fourth film shown.</p> <p>E. E is the fourth film shown.</p>
13	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. 48. In case F and E are the fifth and sixth presenters respectively then which of the following must be true?	<p>A. A is first in the order of presenters.</p> <p>B. A is third in the order of presenters.</p> <p>C. A is fourth in the order of presenters.</p> <p>D. B is first in the order of presenters.</p> <p>E. C is fourth in the order of presenters.</p>
14	Choose the answer you think is most appropriate among the given options. 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. 4. The ideal candidate to occupy the office farthest from Mr. Zahid would be	<p>A. Mrs. Fauzia</p> <p>B. Mr. Mujahid</p> <p>C. Mr. Shahid</p> <p>D. Mr. Abid</p> <p>E. Mrs. Ruby</p>
15	Choose the best answer; that is the response that most accurately and completely answers the question. 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. 1. Which of the following statements would most seriously weaken the above discussion?	<p>A. People suffering from Kay fever are the victims of the golden viper of Sindh.</p> <p>B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment.</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>
		<p>A. One part Livana, one part Mathia, one part Novaiana, four parts Plask</p>

16	<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.</p> <p>11. Among the below mentioned brands, which can be made agreeable by the eliminating some or all of one type of tealeaves?</p>	<p>one part Novajana, four parts Piask.  <b>B. One part Livana, two parts Novajana, one part Oxia, four parts Piask</b>  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>
17	<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.</p> <p>37. Which among the following is an acceptable order for showing the educational films?</p>	<p><b>A. A, C, B, D, E</b>  B. A, C, D, E, B  C. B, D, C, A, E  D. B, D, E, A, C  E. E, B, C, A, D</p>
18	<p>Choose the best answer; that is the response that most accurately and completely answers the question. 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.</p> <p>19. Which among the following options would most strongly contradict the author's attitude towards society?</p>	<p><b>A. The greatest strength of society is altruism.</b>  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.</p>
19	<p>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.</p> <p>28. In a particular code, the digits from 0 to 9 inclusive are each represented by a different letter of the alphabet, the letter always representing the same digit. In case the following sum holds true when it is expressed in digits, which of the following cannot be properly inferred:</p>	<p>A. Z cannot be 0.  <b>B. Z must be less than 5.</b>  C. Q must be even.  D. M + S must be greater than 8.  E. C must be greater than Z by 1.</p>
20	<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 headquarters. 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).</p> <p>20. Among the following statements which statement must be true?</p>	<p><b>A. In case the second speaker was a captain, the seventh speaker was a first mate.</b>  B. In case the second speaker was a first mate, the seventh speaker was captain.  C. In case the third speaker was a first mate, the seventh speaker was captain.  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 and third speakers were captains.</p>