NAT II Arts & Humanities Analytical

Sr	Questions	Answers Choice
1	A chemist is preparing a nutriment using eight different vitamins and minerals ….A, 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 (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: Which of the following is a suitable combination of vitamins and minerals for a nutriment?	A. A, B, C, F B. D, E, H, Z C. A, D, E, Z D. C, D, E, F E. E, H, F, Z
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 and Z are the individuals serving on committee B, how many of the nine individuals should serve on committee C?	A. 3 B. 4 C. 5 D. 6 E. 7
3	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. 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 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.
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 ----------. 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.

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6	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 would most strengthen the argument above?	A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza. 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.
7	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. 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.
8	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: Everything that the king knows necessarily is, because even what we ourselves know necessarily is; and, of course, our knowledge is not as certain as Kng's knowledge is. However, no future contingent thing necessarily is. Among the following statements, which naturally follows from the above:	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.
9	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: Some critics 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 opinion? In the above argument the author is trying to convince that	A. The qualities of photography are not dependent on criticism. B. Critics seem hypocritical. C. People can not judge the art work D. Photography is an art independent of your opinion E. artists should teach at universities.
10	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 attitiude 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.

11	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 three employees who are smokers should be seated in the offices.	A. A, B and D B. B, C and F C. A, B and E D. A, B and C E. A, B and F
12	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
13	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 :	A. P and Q B. P and X C. X and Y D. X and Z E. X, P and Z
14	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 view s 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 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	

15	(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 trip which requires greatest number of transfer, is:	A. P to R B. Q to Y C. Z to Q D. Z to R E. Z to Y
16	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: Among the following combinations which could constitute the membership of committee C?	A. Y and T B. X and U C. Y, X and W D. W, V and U E. Z, X, U and R
17	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 candidate to occupy the office farthest from Mr. Zahid would be.	A. Mrs. Fauzia B. Mr. Mujahid C. Mr. Shahid D. Mr. Abid E. Mrs. Ruby
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, ----------. However, these are only short-term occurrences, which ultimately serve our long-term goal of personal gain. Q: Many people especially the experts in the field of forestry are against all forest fires. They demand that all forest fires show that in the long run, forest fires may in fact, be beneficial to the ecology as a whole. Among the following, which statement would logically follow from one of the observations referred to in the passage above?	A. The reason of almost all forest fires is natural. B. Human beings try to extinguish the fire for gaining heat. C. Studies indicate that forest fires regularly occurred in the times prior to human occupation of forest areas. D. The animal and plant life destroyed by forest fires seldom represents endangered species. E. Occasionally, the small fire prevents a large scale fire by the accumulation of flammable materials.
19	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 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: Adding more amount of Novajana will make which of the following brands conformable with the conditions?	A. One part Livana, one part Novajana, five parts Piask B. Two parts Mathia, two parts Novajana, two parts Piask C. One part Mathia, one part Novajana, one part Piask D. Two parts Mathia, one part Novajana, four parts Piask E. Two parts Novajana, one part Oxia, three parts Piask
	A chemist is preparing a nutriment using eight different vitamins and minerals ….A,	

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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

(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: Which of the following cannot be included in a nutriment that contains E?

A. B
B. D
C. H
D. F
E. Z