

## **CRITICAL REASONING – 2**

### **CONCLUSION BASED**

**Direction for (Q1-15):** In each questions below is given a statement followed by two conclusions numbered I and II. You have to consider the statement and the following conclusions and decide which of the conclusions is implicit in the statement.

- a) If only conclusion I is implicit;
- b) If only conclusion II is implicit;
- c) If either I or II is implicit;
- d) If neither I nor II is implicit;
- e) If both I and II are implicit;

1. **Statement:** The distance of 900 km by road between Bombay and Jafra will be reduced to 280 km by sea. This will lead to a saving of Rs. 7.92 crores per annum on fuel.  
**Conclusions:**  
I. Transportation by sea is cheaper than that by road.  
II. Fuel must be saved to the greatest extent.
2. **Statement:** Good voice is a natural gift but one has to keep practising to improve and excel well in the field of music.  
**Conclusions:**  
I. Natural gifts need nurturing and care.  
II. Even though your voice is not good, one can keep practising.
3. **Statement:** Domestic demand has been increasing faster than the production of indigenous crude oil  
**Conclusions:**  
I. Crude oil must be imported.  
II. Domestic demand should be reduced.
4. **Statement:** All the organised persons find time for rest. Sunita, in spite of her very busy schedule, finds time for rest.  
**Conclusions:**  
I. Sunita is an organised person.  
II. Sunita is an industrious person
5. **Statement:** This book 'Z' is the only book which focuses its attention to the problem of poverty in India between 1950 and 1980.  
**Conclusions:**  
I. There was no question of poverty before 1950.  
II. No other book deals with poverty in India during 1950 to 1980.
6. **Statement:** The secret of success is constancy of purpose.  
**Conclusions:**  
I. Constant dripping wears the stone.  
II. Single minded devotion is necessary for achieving success.
7. **Statement:** The percentage of the national income shared by the top 10% of households in India is 35.  
**Conclusions:**  
I. When an economy grows fast concentration of wealth in certain pockets of the population takes place.  
II. The national income is unevenly distributed in India.
8. **Statement:** The PM emphatically stated that his govt. will make every possible effort for the upliftment of poor farmers and farmhands.  
**Conclusions:**  
I. Except poor farmers and farmhands, all other have got benefits of fruits of development.  
II. No serious effort have been made in the past for upliftment of any section of the society.
9. **Statement:** The Cabinet of state X took certain steps to tackle the milk glut in the state as the cooperatives and govt. dairies failed to use the available milk. – A news report.  
**Conclusions:**

- I. The milk production of state X is more than its need.
- II. The govt. and cooperative dairies in state X are not equipped in terms of resources and technology to handle such excess milk.

10. **Statement:** The manager humiliated Sachin in the presence of his colleagues.

**Conclusions:**

- I. The manager did not like Sachin.
- II. Sachin was not popular with his colleagues.

11. **Statement:** The Government of country X has recently announced several concessions and offered attractive package tours for foreign visitors.

**Conclusions:**

- I. Now, more number of foreign tourists will visit the country.
- II. The Government of country X seems to be serious in attracting tourists.

12. **Statement:** Prime age school-going children in urban India have now become avid as well as more regular viewers of television, even in households without a T.V. As a result there has been an alarming decline in the extent of readership of newspapers.

**Conclusions:**

- I. Method of increasing the readership of newspapers should be devised.
- II. A team of experts should be sent to other countries to study the impact of T.V. on the readership of newspapers.

13. **Statement:** From the next academic year, students will have the option of dropping Mathematics and Science for their school leaving certificate examination.

**Conclusions:**

- I. Students who are weak in Science and Mathematics will be admitted.
- II. Earlier students did not have the choice of continuing their education without taking these subjects.

14. **Statement:** In a recent survey report, it has been stated that those who undertake physical exercise for at least half an hour a day are less prone to have any heart ailments.

**Conclusions:**

- I. Moderate level of physical exercise is necessary for leading a healthy life.
- II. All people who do desk-bound jobs definitely suffer from heart ailments.

15. **Statement:** This world is neither good nor evil; each man manufactures a world for himself.

**Conclusions:**

- I. Some people find this world quite good.
- II. Some people find this world quite bad.

16. In the United States, about \$5,200 per person per year is spent on health care, while in Britain the amount is about half that. A recent study indicated that middle-aged white Americans have a significantly higher rate of diabetes and heart disease than do middle-aged white Britons. Even after eliminating from the study the lifestyle differences of diet, exercise, smoking, and drinking, the data showed that the Americans have poorer health than their British counterparts. The statements above, if true, best support which of the following assertions?

- a) Health care spending in the United States should be reduced by 50%.
- b) More expensive health care causes a higher incidence of certain diseases.
- c) The money spent on health care in the United States is not being used effectively.
- d) The average health care spending for middle-aged white Americans is probably less than the average health care spending for Americans in general.
- e) Something other than diet, exercise, smoking, and drinking must account for the difference in health for the two groups in the study.

17. In 2003, the Making Hits Record Company spent 40% of its total budget on the production of ten albums, 30% of its budget on the marketing of these albums, and the remainder of its budget on overhead costs. In the same year, the Song Factory Record Company spent 20% of its total budget on the production of 10 albums and 60% of its budget on the marketing of these albums. Making Hits sold a total of 800,000 copies of the ten records it produced in 2003, while the Song Factory sold a total of 1,600,000 copies of the ten records it produced in 2003. Assuming each company met its budget, which of the following conclusions is best supported by the information given above?

- a) The amount of money spent on marketing is directly related to the number of copies sold.
- b) Making Hits spent more money on the production of its albums in 2003 than did the Song Factory.
- c) Song Factory's total revenue from the sale of albums produced in 2003 was higher than that of Making Hits.

- d) In 2003, Making Hits spent a larger percentage of its budget on overhead costs than did the Song Factory.
- e) The Song Factory sold more copies of its 2003 albums than Making Hits did because the Song Factory spent a higher percentage of its budget on the marketing of its albums.
18. Due to high jet fuel costs, airline carriers are looking for new ways to increase revenues and thereby counteract declining profits. Airline A has proposed increasing the number of passengers that can fit on its airplanes by creating several standing room only “seats” in which passengers would be propped against a padded backboard and held in place with a harness. This proposal, since it relates to passenger safety, cannot be implemented without prior approval by the Federal Aviation Administration. The above statements, if true, indicate that Airline A has made which of the following conclusions?
- The addition of standing room only “seats” will generate more revenue than the cost of ensuring that these seats meet safety standards.
  - The Federal Aviation Administration will approve Airline A’s specific proposal.
  - The revenue generated by the addition of standing room only “seats” is greater than the current cost of jet fuel.
  - There are no safer ways in which Airline A can increase revenues.
  - Passenger safety is less important than increasing revenue.
19. A recent research study of undergraduate students analyzed the effects of music on human emotions. Each of the 200 participants attended at least 1 two-hour concert of classical music per week over the course of 12 weeks of their spring semester. At the end of the experiment, all of the students filled out a questionnaire assessing their emotional state. Based on the results of the questionnaires, all of the 10 students who attended the greatest number of concerts reported lower stress levels and higher satisfaction with their lives. Also, most of the 20 students who attended the fewest number of concerts reported below-average levels of emotional comfort. Which of the following must be true based on the evidence presented above?
- Most of the 200 participants improved their emotional state and lowered their stress levels.
  - During each week of the experiment, the participants spent at least 2 hours less on their academic work as a result of concert attendance.
  - Listening to classical music for at least 2 hours per week improves the emotional well-being of the majority of young adults.
  - More than 6 participants attended at least 14 concerts during the course of the experiment.
  - At least some of the students participated in the study in order to gain free access to classical concerts.
20. Columnist: The winner of this year’s national spelling bee won by correctly spelling the spoken word Ursprache, which means “fame” in German. Given the richness of our language, why must we resort to words taken from modern foreign languages to challenge our best spellers? Ursprache is listed in our dictionary, as are words from many other foreign languages, but future spelling bees should limit themselves to words in our dictionary that have been anglicized in all aspects because spelling English words, not knowledge of linguistics and international phonetics, is the point of these contests. Which of the following can most reasonably be inferred from the argument above?
- The spelling contest winner knew how to spell most of the anglicized words in the dictionary.
  - Foreign words are more difficult than anglicized words for all contestants to spell.
  - Spelling contestant winners should be determined by their facility with all aspects of language.
  - To spell foreign words, contestants must recognize the language and know its pronunciation.
  - The English language contains more borrowed words than most other languages.
21. In Eastland, from 2000 to 2005, the total consumption of fish increased by 4.5 percent, and the total consumption of poultry products increased by 9.0 percent. During this time, the population of Eastland increased by 6 percent, in part due to new arrivals from surrounding areas. Which of the following can one infer based on the statements above?
- For new arrivals to Eastland between 2000 and 2005, fish was less likely to be a major part of families’ diet than was poultry.
  - In 2005, the residents of Eastland consumed twice as much poultry as fish.
  - The per capita consumption of poultry in Eastland was higher in 2005 than it was in 2000.
  - Between 2000 and 2005, both fish and poultry products were a regular part of the diet of a significant proportion of Eastland residents.
  - Between 2000 and 2005, the profits of wholesale distributors of poultry products increased at a greater rate than did the profits of wholesale distributors of fish.
22. Everyone who has graduated from TopNotch High School has an intelligence quotient (IQ) of over 120. Most students with an IQ of over 120 and all students with an IQ of over 150 who apply to one or more Ivy League

universities are accepted to at least one of them. The statements above, if true, best support which of the following conclusions?

- Every graduate of TopNotch High School with an IQ of 150 has been accepted to at least one Ivy-League school.
- If a person is a high-school graduate and has an IQ of less than 100, he or she could not have been a student at TopNotch High School.
- If a person has an IQ of 130 and is attending an Ivy-League school, it is possible for him or her to have graduated from TopNotch High School.
- At least one graduate from TopNotch high school who has applied to at least one Ivy-League university has been accepted to one of them.
- If a high-school graduate has an IQ of 150 and is not attending an Ivy-League school, then he or she did not apply to one of them.

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#### Answer Key

1. D	2. A	3. D	4. D	5. B	6. D	7. B	8. D	9. A	10. D	11. B
12. D	13. B	14. D	15. C	16. E	17. D	18. A	19. D	20. D	21. C	22. C