

Assignments

Subject: Critical Reasoning and Systems Thinking

Paper Code: AIDS 213 / AIML 213

Course: B. Tech. (AIDS / AIML)

Semester: 3rd

Assignment: 1

1. What is critical thinking? List out the importance of critical thinking in daily life.
2. Why is critical thinking systematic and why rational standards are such a significant part of it?
3. What is a statement? Give an example of a statement. Also give an example of a sentence which is not a statement.
4. What is an argument? Give an example of an argument with two premises.
5. What are indicator words? List three conclusion indicator words and three premise indicator words.

Assignment: 2

1. For each of the following conclusions, write at least two premises that can support it. Your proposed premises can be entirely imaginary. To concoct the premises, think of what kind of statement would convince you to believe the conclusion.
 - a. What this country needs is more family values.

- b. Every woman has the right to abort her foetus if she so chooses.
 - c. The Internet is the most dangerous tool that terrorists have in their arsenal.
 - d. The Internet is the best tool that law enforcement officials have against terrorists.
2. What are the two main categories of common obstacles to critical thinking?
 3. How are subjective and social relativism self-defeating?
 4. How could subjective relativism make critical thinking unnecessary?
 5. What is the difference between social relativism and philosophical skepticism?

Assignment: 3

1. What is problem solving? Discuss some problem-solving strategies.
2. What are the characteristics of effective and ineffective problem solvers?
3. Identify a group of people with which you frequently interact. Make a list of things you can do to become a better team member and to establish a creative environment.
4. How is brainstorming different from idea generation?
5. What is fish-bone analysis?

Assignment: 4

1. What is a fallacy? List some fallacies relevant to critical reasoning.
2. What are the barriers to critical thinking?
3. Define the concept, 'Indian Knowledge System'. What purpose does cognition and perception serve in it?
4. Discuss some tools and applications in project and risk management.

5. 'Asking a question is an art.' Elucidate.