

IMSC (CS) (Old) Sem.-5 Examination

Critical Thinking

Time : 3.00 Hours]

December-2025

[Max.Marks :35

Q-1 Answer the following in 2-3 sentences: (ANY 5) (10 marks)

- 1) Give an example of an argument.
- 2) Differentiate between Deductive Argument and Inductive argument.
- 3) Name a Critical thinking argument that works the best for conducting a survey. Add one example to the argument named.
- 4) Give any two examples where Critical thinking is used.
- 5) Give any two examples of Modus Ponens.
- 6) Give any two examples of Modus Tollens.
- 7) Explain the meaning of a claim in Critical Thinking skills

Q-2 (A) Attempt the following in detail: (12 marks)

1. What is Critical thinking? List and explain its benefits that play the main role in shaping our personality.
2. Give a detailed view on the application of Critical Thinking Skills in the area of Computer Science.

OR**Q-2 (B) Attempt the following in detail: (12 marks)**

1. Explain Claims and Arguments by differentiating them from each other and also provide examples to suffice your explanation.
2. State names of any 3 Western or Indian Philosophers/Thinkers and explain their contribution/s in detail.

Q-3 State whether the following statements are True or False : (13 marks)

1. 'Water boils at 100°C at sea level' is a claim.
2. Openmindedness is an important quality of a critical thinker.
3. "Do you like ice cream?" is a claim.
4. A claim can be a question.
5. 'Sunlight helps in synthesizing Vitamin D' is an incomplete statement.
6. 'All humans are mortal. Socrates is human. Therefore, Socrates is mortal.' is a deductive argument.
7. 'The Sun rises in the East' is a claim.
8. An argument must contain at least one premise and one conclusion.
9. 'If it rains, the ground gets wet. It is raining. Therefore, the ground is wet.' is a deductive argument.
10. A question is considered as a claim.
11. Evidence can be both qualitative and quantitative.
12. $2-3 = -1$
13. If P equals to Q and if Q equals to R, then it is relevant that P equals to R.