Home Assignment (Batch – 2022)
Bachelor of Computer Application (BCA) Sixth Semester
Centre for Distance and Online Education, Dibrugarh University

(Full Marks 30 for each course)

BCA -601 (Introduction to Artificial Intelligence)

ASSIGNMENT-I   Total Marks :15

(Answer any three)

1. What do you understand by Artificial Intelligence? Why do we need Artificial Intelligence?
2. Give some real-world applications of AI.
3. Define production system in AI? Explain key components and characteristics.
4. What are the types of Machine Learning?

ASSIGNMENT-II   Total Marks :15

(Answer any three)

1. What are the types of AI?
2. Describe how branch and bound technique could be used to find the shortest solution to a water jug problem.
3. Describe simple hill climbing algorithm.
4. What is Predicate Logic in AI? Explain the basic components.

BCA -602 (System Software)

ASSIGNMENT-I   Total Marks :15

1. Explain the different phases of a Compiler.
2. Explain the architecture of 8086
3. Write short notes on
   a. Overlays
   b. Macro definition and call

ASSIGNMENT-II   Total Marks :15

1. Describe Pass I of the assembler
2. Explain some of the language processors.
3. What is loader? List types of loader. Explain each loader in brief.

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