

**FIRST ASSIGNMENT
JUNE SEMESTER 2021**

**BACHELOR OF COMPUTER SCIENCE (HONS.)
(IN COLLABORATION WITH IUKL)**

**ARTIFICIAL INTELLIGENCE
(CSC 3201)**

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GENERAL INSTRUCTIONS

1. This question booklet consists of 2 pages including this page.
2. There is one **SECTION** in this question booklet.
3. Please submit assignment solution in **SOFT COPY (PDF FORMAT)**.
4. **The Deadline for Submission of Assignment is on 13th July.**

SECTION A**(30 Marks)**

There are **THREE (3)** Questions in this section. Answer all of them.

1. Explain the concept of artificial intelligence. Explain the application of AI in various fields.

(10 marks)

2. Explain the concept of intelligence agent? With example explain different types of intelligent agent.

(10 marks)

3.

a. Differentiate between informed and uninformed search.

(5 marks)

b. Consider the following map:

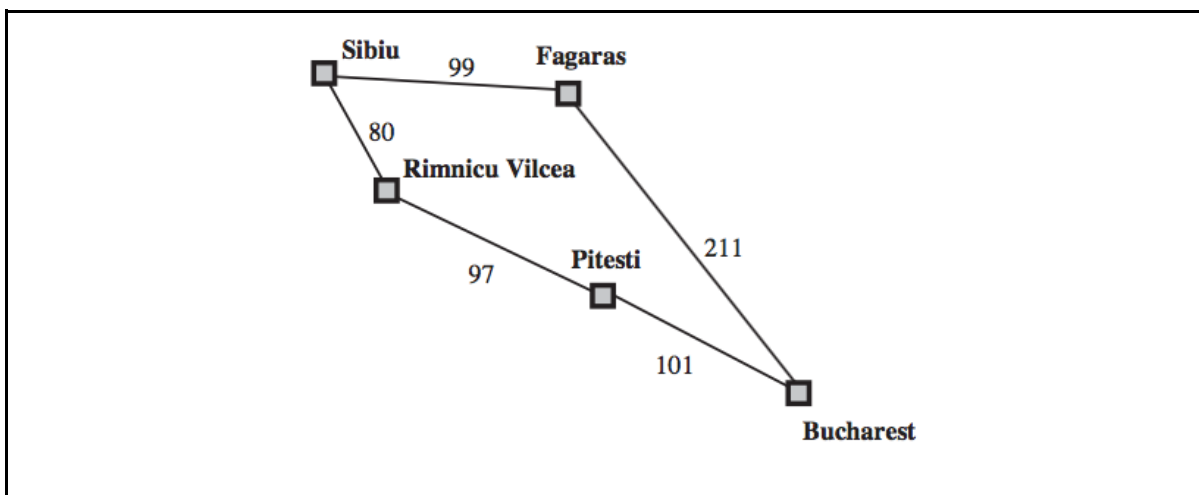


Figure 1

i) With explanation, find the optimal cost to get from Sibiu to Bucharest using **Uniform Cost Search**.

(5 marks)

*****END OF QUESTIONS*****