

Roll No.:

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MIT School of Engineering, Pune
Term Assessment: 1 (2020-21)

Branch Code: BTCSE

Class: T. Y. B. Tech

Semester: III

Branch: Computer Science & Engineering

Subject Code: 18BTCS504: Artificial Intelligence

Date : 24-09-2020

Max. Marks: 20

Time : 10:30 am to 11:30 am

Instructions

1. Attempt the Que 1 OR Que 2 and Que 3 OR Que 4.
 2. Neat diagrams must be drawn, wherever necessary.
 3. Use of logarithmic tables, slide rule, Mollier chart, electronic scientific calculator and steam tables are allowed.
 4. Figures to right indicate the marks allotted to the questions.
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- Q1.** Attempt the following questions [10]
- a) Define agent with its example in detail.
 - b) Implement PEAS for satellite image analysis.

OR

- Q2.** Attempt the following questions [10]
- a) Discuss any two properties of task environment with example.
 - b) Memorize history of AI.

- Q3.** Attempt the following Questions [10]
- a) Explain search and problem-solving agent.
 - b) Define vacuum world problem in detail.

OR

- Q4.** Attempt the following Questions [10]
- a) Explain any one uninformed search algorithm with example.
 - b) Define any one informed search algorithm with example.
