Examen de diplomă, promoția 2021

TEMATICA propusă pentru Proba I

Evaluarea cunoștințelor fundamentale și de specialitate

Programul de studiu: "Calculatoare în limba engleză"

domeniul: " Calculatoare și Tehnologia Informației"

1. **Mastering fundamental scientific, engineering and IT concepts:**
    a. Computer Graphics
    b. Data Structures
    c. Operating Systems
    d. Concurrent and Distributed Systems
    e. Formal Languages and Automata
    f. Modeling and Simulation

2. **Design skills in the fields of hardware, software and communications:**
    a. Computer Programming - Programming Techiniques
    b. Logical Design 1
    c. Logical Design II
    d. Computer Systems Architecture
    e. Object Oriented Design

3. **Problem solving using scientific and computer engineering tools:**
    a. Introduction to Information techonology
    b. Computer Programming
    c. Object Oriented Programming
    d. Databases
    e. Data Communication
    f. Microprocessor Design

4. **Improving the performances of the hardware, software and communication components:**
    a. Computer Networks
    b. Parallel and Distributed Algorithms
    c. Data Security

5. **Design, lifecycle management, integration and protection of hardware, software and communication systems:**
    a. Computer Structure and Organization

     b. Software Engineering
     c. Project Management

6. **Design of intelligent systems:**
   a. Artificial Intelligence
   b. Web Application Design
   c. E-Commerce
   d. Mobile Computing