

University 8 May 45 of Guelma
Faculty of Mathematics, Computer Science and Material Sciences
Department: Mathematics

Duration: 30 minutes

Micro-Interrogation structure of machine 1

Q1: Convert the following numbers to decimal base:

- a. $(101110)_2 = (46)_{10}$
- b. $(321)_5 = (86)_{10}$
- c. $(457)_8 = (303)_{10}$
- d. $(1A7)_H = (423)_{10}$

Q2: Convert the number 200 to base 2, 6, 13.

$$200 = (11001000)_2 = (532)_6 = (125)_{13}$$