

Mark: .....

MANUFACTURING OF BIOMEDICAL COMPONENTS

Written exam

surname: ..... name: ..... matr. n°:...../ .....

1. Briefly describe the working principle of the non-conventional machining process used to finish knee joints produced by forging. (4 points)

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2. Make a qualitative diagram of the cutting tool life curves as a function of the cutting speed when machining a ferritic, pearlitic and martensitic steel of the same chemical composition. Which are the main causes for flank wear occurrence? (4 points)

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