

Birla Institute of Technology & Science, Pilani
First Semester 2023-2024
Computer Integrated Manufacturing (ME G539)
Comprehensive Examination (Regular / Closed Book)

Part-A

Date:13/12/2023

Max Marks:10

Max Time:60 min.

Note: Be succinct, no credit will be given for ambiguous answers. All parts of a question must be answered together and in sequence. Answer of a question must be started from a fresh page.

Q1: Write down your answer **briefly**. [10]

- i) What is the need of tool presetting method in CNC machining?
- ii) What is the role of modular fixture during inspection of a part in CMM?
- iii) What is the function of pull stud in milling tool adaptor?
- iv) Write down the specifications of a turning insert and insert holder.
- v) Why is gray code preferred over natural binary code in case of absolute encoder?

*****GOOD LUCK*****