

Enrolment Number: \_\_\_\_\_

PARUL UNIVERSITY  
FACULTY OF ENGINEERING & TECHNOLOGY  
B.TECH MID SEM EXAMINATION

SUBJECT NAME: Automation In Manufacturing (203109403)

BRANCH: ME

DATE: 04/08/2022

TIME: 02:30 PM to 04:00 PM

TOTAL MARKS: 40

Sl <sup>m</sup> No.		Marks
Q.1	(A) 1) Types of Manufacturing Systems a) Single station cell b) Multi-station fixed routing c) Multi-station variable routing d) All of the above 2) Which device is mostly associated with automation? a) Flexible manufacturing b) Robots c) Computer graphics workstation d) NC machine 3) For handling materials during manufacture of cement, ____ is widely used. a) Belt conveyor b) Bucket conveyor c) Fork lift truck d) None of the above 4) LCR stands for a) Largest candidate rule b) Longest candidate routing c) Largest candidate routing d) Longest candidate rule 5) Cellular manufacturing is also known as a) Manufacturing Technology b) Production Technology c) Group Technology d) None of the above	05
(B)	Fill in the Blanks 1. Proximity sensors are used to determine _____. 2. _____ is not a PLC manufacturer. (Microsoft, ABB, Mitsubishi) 3. CNC stands for _____. 4. The type of memory which is fast and temporarily stores the data which are immediately required for use is called as _____. 5. A solenoid is an example of a _____ device.	05

