2008–CALICUT UNIVERSITY
B.TECH VI SEMESTER DEGREE EXAMINATION
COMPUTER INTEGRATED MANUFACTURING
(MECHANICAL ENGINEERING)

TIME–3HOUR
MARKS–100

ANSWER FULL QUESTIONS

SECTION A 8*5=40 MARKS

1. Explain the fundamentals of Numerical control.

2. Differentiate NC and CNC.

3. What is tab sequential?

4. Explain Post processor.

5. Explain multi-class coding system.

6. Write notes on vehicle guidance.

7. Describe Robot anatomy.

8. Write the importance of sensors in robots.

SECTION B 4*15=60 MARKS

II. (a) Explain open loop and closed loop systems.

Or

(b) Write feature of NC machine tools.

III.(a) Explain contour programming.

Or

(b) Write one Part programming example.

IV. (a) Explain components of PLC.

Or

(b) Describe part families.

V. (a) Describe Robot control system.

Or

(b) Explain the components of FMS.