Course: Computer Architecture Semester: 1st term 2025/2026.	Lecturers: Dr. ……. Assistant: Eng ……., Eng…….,
Tutorial 5: Computer Architecture	

Q1. Answer the following questions:

1. What are the advantages of transistors over vacuum tubes as mentioned in the document?

2. What is the significance of the year 1971 in the history of processors?

3. Describe the relationship among Wafer, Chip, and Gate as illustrated in the document.

4. What is Moore's Law, and how does it relate to the evolution of microprocessors?

Q2. Classify IC complexity

Q3. Draw IBM 7094 configuration

Q4. Draw PDP-8 bus structure