

Name (Print legibly) \_\_\_\_\_

Part a) For each statement in part a, select one of the people in the box below as the answer to the question. Each answer may be used more than once or not at all.

Charles Babbage	George Boole	Herman Hollerith	Alan Turing
Steve Jobs & Bill Gates	John vonNeumann	Konrad Zuse	Ada Lovelace

- \_\_\_\_\_ i) I designed a machine called the Analytical Engine that serves as a basis for modern day computer design.
- \_\_\_\_\_ ii) I am credited as the first computer programmer.
- \_\_\_\_\_ iii) I created the Electronic Tabulating System that was the first automated system used to compute the US Census.
- \_\_\_\_\_ iv) I first published a paper discussing the idea of a stored program computer.
- \_\_\_\_\_ v) I authored a very influential paper about what can or cannot be computed.
- \_\_\_\_\_ vi) I invented and built part of a machine I called the Difference Engine.

Part b) For each statement in part b, select one of the time periods in the box below as the answer to the question. Each answer may be used more than once or not at all.

Pre 1800	Industrial Revolution & Early 1900s	WWI & WWII
1950s & 1960s	1970s & 1980s	1990s to Present

- \_\_\_\_\_ i) Census crisis erupts forcing the government to find mechanical means for computing the census.
- \_\_\_\_\_ ii) Jacquard programmable loom invented.
- \_\_\_\_\_ iii) First programming language invented .
- \_\_\_\_\_ iv) Colossus helps Allies to break German Enigma code.
- \_\_\_\_\_ v) Floppy disk invented as a portable storage device.
- \_\_\_\_\_ vi) ENIAC constructed.
- \_\_\_\_\_ vii) Explosion of Internet and Internet Service Providers as traffic on the Internet grows dramatically.
- \_\_\_\_\_ viii) First department of Computer Science created at the University level.
- \_\_\_\_\_ ix) A computer correctly predicts the outcome of a Presidential election.

- \_\_\_\_\_ x) Large, mechanical calculators with gears and knobs are the hot computational devices of the time.
- \_\_\_\_\_ xi) First signs of the modern day Internet are seen as people start to link their computers on a network for information sharing.
- \_\_\_\_\_ xii) The personal computer is born and is priced so that people can afford to have one in their homes.
- \_\_\_\_\_ xiii) Internet companies lose steam – the DOT bust ensues.
- \_\_\_\_\_ xiv) First programmable computer is developed.
- \_\_\_\_\_ xv) Windows becomes a common phrase associated with desktop computers.

Answer the following short answer questions.

- \_\_\_\_\_ i) In what year was the Computer Science department at UB established?
- \_\_\_\_\_ ii) What company first developed the ideas of the PC, WYSIWYG applications, and LANs?
- \_\_\_\_\_ iii) Lotus 1-2-3 was one of the first popular software suite that has since been replaced in popularity by what software suite?
- \_\_\_\_\_ iv) Internet Relay Chat is a type of communication that is more popularly known today as:
- \_\_\_\_\_ v) Unix, Linux, PC-DOS and Windows are all types of:
- \_\_\_\_\_ vi) What technology characterized the first generation of computers?
- \_\_\_\_\_ vii) What technology characterized the second generation of computers?
- \_\_\_\_\_ viii) What technology characterized the third generation of computers?
- \_\_\_\_\_ ix) What technology characterized the fourth generation of computers?

x) What is the Turing test?

xi) To save systems from the Y2K bug, companies spent \$500 billion. What decision was the decision that made the expenditure necessary?