

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?