

## **Questions on Chapter 1 – introduction to Logic Design**

**1.** Which of the following quantities is analogue in nature and which digital? Explain your answers.

- a.** Water temperature at the beach
- b.** Weight of a bucket of sand
- c.** Grains of sand in a bucket
- d.** Waves hitting the beach in one hour
- e.** Height of a wave
- f.** People in a square mile

**2.** A digital logic system is defined by the voltages 3.3 volts and 0 volts. For a positive logic system, state which voltage corresponds to a logic 0 and which to a logic 1.