OOPS Assignment- 2

1. Entity name: Television

Attributes: Screen, Remote, Input and Output Ports, Size, CPU

Explanation: Television consists of several components which range from screen or the display, remote, the i/p and o/p ports for more connections and also the size or the dimensions of the televisions. There are several components that are hidden inside the television such as the CPU and other modems for enabling the wireless connections for the television set. These components are hidden and only the necessary components such as the display and the remote are displayed for the user to use.

1. Entity name: Hospital

Attributes: Doctors, Nurses, Pharmacy, Reception, Cleaning staff, Security,

Accounting and IT department.

Explanation: The hospital consists of the doctors, nurses, pharmacy, and the reception, which we encounter whenever we visit the hospital. Other attributes such as the security, housing department and IT team does not have any contact with the patients and are hidden to carry out their respective duties.

1. Entity name: Traffic Signal

Attributes: Red, yellow and the green light, solar panels, control system

Explanation: The traffic signal consists of red, yellow and the green light. The lights change depending upon various factors such as the time of the day and the magnitude of the traffic.

1. Entity name: Broadband Connection

Attributes: Server, optic fiber, router and bandwidth

Explanation: Server is the parent class. It transfers the data to the router or the modem present at our homes which is nothing but our child class via the inheritance concept via the optical fiber.

1. Entity name: Mobile Phone

Attributes: Battery, cameras, software etc.

Static attributes: Hardware objects are the static attributes

Dynamic Attributes: Software can be tweaked further according to our

requirements