Fpg (reprogrammable/reusable lang) . currently using in our tool. Used for synethesing before releasing into the market

Asic

Application specific integrated circuit :hardcoded and can be programmed only once . coding this type.

Full adder cannot be converted into mulitplexer

What are the applications of BCD , number systems?

BCD – calculator and traffic signals

Number system :

Humans – decimal

Computer – binary

Memory / colour – hex

What are universal gates – NAND , NOR

VHDL , VLSI , VHSIC – full form