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

What is the adv of gray code

Difference between gray code and binary code  
what are the fundamental gates used in the magnitude comparator

What are the types of comparator

Types of priority encoder

Applications of priority encoder

Difference between structural , behavioural , schematic , data flow

Overflow significance

How will you implement k-maps for large inputs

Use of decoder , demultiplexer

Diff between combitional and sequential circuit

Limitations of ring and jonson counter

Diff btw ring and jonson counter

States in ring and jonson counter