

B2_LISTENING PRACTICE 4

Listen and fill in the notes.

1. Technical Subjects

- Digital circuit design: logic gates, Boolean(1) _____, combinational circuits, (2) _____ and memory design.
- Analog circuit design: diodes, BJTs, MOSFETs, (3) _____, filters and oscillators.
- (4) _____: concepts in this field, MOSFETs, MOS capacitors, PN junctions, diodes and BJTs.
- Advanced VLSI design: CMOS technology and (5) _____.

2. EDA Tools and Programming Skills

- SPICE (6) _____: LTspice, HSPICE and PSpice.
- Other EDA tools: Mentor Graphics, (7) _____ Virtuoso, Xilinx Vivado, (8) _____ ICC, MATLAB and Simulink.
- Hardware description languages: Verilog and VHDL.
- Practical experience: basic to (9) _____-level projects.

3. Problem-solving and (10) _____ Skills

Students should be able to:

- Analyze how a (11) _____ operates.
- Identify problems and (12) _____ errors.
- Test circuits and perform (13) _____ using EDA tools.

4. Soft Skills

- Communication skills
- Teamwork
- (14) _____
- English proficiency for communicating with (15) _____ and working with international teams.