VERIFICATION OF DIGITAL CIRCUITS
Mikroelektronika w Technice i Medycynie

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Answers

A. **Which objects in the diagram instantiate which?**

- random_test instantiates: env.
- env instantiates: driver, result_monitor, command_monitor, random_tpgen, scoreboard, coverage

B. **The following objects in the diagram are created by the new() function**

- uvm_tlm_fifo

C. **The following objects in the diagram are created by reference to the UVM factory**

- tpgen
- driver
- coverage
- scoreboard
- command_monitor
- result_monitor

D. **Objects of the following classes retrieve BFM information from UVM by calling uvm_config_db**

- command_monitor
- driver
- result_monitor

E. **Objects of the following classes instantiate uvm_analysis_port**

- command_monitor
- result_monitor

F. **Objects of the following classes instantiate uvm_get_port**

- driver

G. **Objects of the following classes instantiate uvm_put_port**

- base_tpgen

H. **The following uvm_*_port classes are parametrized**

- uvm_put_port #(command_s) command_port
- uvm_get_port #(command_s) command_port
- uvm_analysis_port #(command_s) ap
- uvm_analysis_port #(result_s) ap

I. **The following classes include the implementation of the void write() method**

- coverage
- scoreboard