

[illegible]

Max. Marks : 100

- Q5 a) Explain the D-algorithm with suitable example. (10)
- b) What do you understand by built-in self test? Differentiate between exhaustive and pseudo exhaustive testing. (10)
- Q6 a) Write a short note on packages and libraries.
- b) What are generics? Explain the role of generics in VHDL with suitable example. (10)
- Q7 a) Discuss in detail about bridging fault model. (10)
- b) Describe the algorithm steps involved in PODEM. (10)
- Q8 Implement the following using FPGA : (20)
- a) 4:1 MUX
- b) 8×8 ROM