Model Question paper for online examination

M.Sc.CS Part- 1 Paper 3 : Mobile Computing & Computer Simulation and Modelling

1) ——— introduced Frequency Modulation for mobile communication systems in 1935.
   a) Edwin Armstrong
   b) Albert Einstein
   c) Galileo Galilei
   d) David Bohm

2) DECT stands for _____
   a. Digital European Cellular Telex
   b. Digitized Emergency Cellular Telephone
   c. Digital European Cordless Telephone
   d. Digital European Cellular Telephone

3) Carrier frequency of a TV remote control is in the range
   a. of Infra red
   b. < 100 MHz
   c. < 1 GHz
   d. < 2 GHz

4) Half duplex system for communication has
   a. Communication in single direction
   b. Communication in single direction at a time
   c. Communication in both directions at the same time
   d. None of the above

5) MIN stands for _____
   a. Mobile Identification Number
   b. Mobile Internet
   c. Mobility In Network
   d. None of the above

6) A simple market model is an example of:-

a) Static Physical Model

b) Dynamic Physical Model

c) Static Mathematical Model

d) Dynamic Mathematical Model

7) Which among the following is not a characteristic of 'Event-driven Simulator'?

a. Identification of timing violations
b. Storage of state values & time information
c. Time delay calculation
d. No event scheduling

8) Which type of simulator/s neglect/s the intra-cycle state transitions by checking the status of target signals periodically irrespective of any events?

a. Event-driven Simulator
b. Cycle-based Simulator
c. Both a and b
d. None of the above

9) In the simulation process, which step specifies the conversion of VHDL intermediate code so that it can be used by the simulator?

a. Compilation
b. Elaboration
c. Initialization
d. Execution

10) Which type of simulation mode is used to check the timing performance of a design?

a. Behavioural
b. Switch-level
c. Transistor-level
d. Gate-level