21 Lecture - CS302

Important Mcqs

1. **What is the GAL16V8?** A) A type of microcontroller B) A type of programmable logic device C) A type of analog circuit D) A type of memory chip Answer: B
2. **What does GAL stand for in GAL16V8?** A) Gate Array Logic B) Generic Array Logic C) Generalized Array Logic D) Graphics Array Logic Answer: B
3. **Which of the following is true about GAL16V8?** A) It contains a programmable AND array and a fixed OR array B) It contains a programmable OR array and a fixed AND array C) It contains both a programmable AND array and a programmable OR array D) It contains a fixed AND array and a fixed OR array Answer: C
4. **How is the GAL16V8 programmed?** A) Using a software tool B) Using a hardware programmer C) Both A and B D) None of the above Answer: C
5. **Which of the following applications has the GAL16V8 been widely used in?** A) Digital cameras B) Microwave ovens C) Control systems D) Home appliances Answer: C
6. **What type of logic circuits can GAL16V8 implement?** A) Only combinatorial logic circuits B) Only sequential logic circuits C) Both combinatorial and sequential logic circuits D) None of the above Answer: C
7. **Which of the following is a feature of GAL16V8?** A) It can only implement simple logic circuits B) It can be reprogrammed multiple times C) It is very expensive compared to other PLDs D) It can only be programmed using a hardware programmer Answer: B
8. **What is the maximum number of inputs and outputs in GAL16V8?** A) 16 inputs and 8 outputs B) 8 inputs and 16 outputs C) 16 inputs and 16 outputs D) 8 inputs and 8 outputs Answer: C
9. **What is the maximum number of product terms that can be programmed in GAL16V8?** A) 8 B) 16 C) 32 D) 64 Answer: D
10. **Which of the following is not true about GAL16V8?** A) It can implement simple state machines B) It has a low power consumption C) It is not suitable for high-speed applications D) It can be used as a replacement for discrete logic gates Answer: C