Note: Answer Six Questions only (each question have 10 marks)

Q1: Define “Software Security” and explain the problems for producing it.

Q2: Explain the differences between:
   A: Software Security Vs Application Security
   B: Open source Vs closed source

Q3: Explain one of the approaches that is used to “Validate Input Data”.

Q4: Explain the following sentence:
   “Buffer overflows can cause a security problem to the software”

Q5: In Open source software, “Code Obfuscation” is used to transform the code in such a way that it becomes more difficult for the attackers to read and understand. Describe the techniques that can make the code more difficult to attackers.

Q6: Describe the “Database Security” with concern of the following:
   - Access control.
   - Field protection.

Q7: Choosing a programming language and choosing and operating system are important in secure software design. Explain that.