



Sabaragamuwa Provincial Department of Education-
Weekly School

Subject – Information and
Communication Technology

Week- April - 4

Grade - 12

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1. The board of management decided to design a computer system to open the door when a person comes towards the entry door or exit door and record how many times the entry door and the exit door are opened in a day. List out the two functional requirements and two Non – Functional requirements of this system.
2. Miuranga is a young boy who works in a software developing organization. He communicates with the members of software development group of his working place using encryption. He uses internet using to get information and he uses e-mail services to communicate with his colleagues.
 - 1.) In the process of encryption what is **Symmetric Key Encryption** and **Asymmetric Key Encryption**.
 - 2.) Briefly explain what is a Network protocol.
 - 3.) Describe the process of **User Datagram Protocol (UDP)** and **Transmission Control Protocol(TCP)** and state other two protocols where can be used in relevance of the above incident.