



Department of Education, Sabaragamuwa/weekly school

week- January 2

Subject-General Information Technology

Grade-12

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1. Following information is related to a logic circuit of a starter motor which is used to switch on a motor car. Input sensors and the buttons work as stated below.

- Sensor output is 1 when the engine is running.
- Signal is equal to 1 when the remote key is available.
- Driver should press the manual button and then output is 1.

In order to proceed this system, (output is 1) Engine should be switched off (output is 0), Remote key signal should be value 1 and driver should press the button.

Assume Engine sensor is S1, Remote key is S2 and start button is B. Draw respective logic circuit for the above scenario.

2. Write most suited example for the software types listed below G to K, from the bracketed list.

- G. Off the shelf Software .....
- H. Free, operating system software .....
- I. Licensed, Operating System Software .....
- J. Utility Software .....
- K. Customized Software .....

[Linux, Antivirus, Bank Transaction System, Windows 7, Spread sheet]