**The City School
North Nazimabad Boys Campus**

**Date: 18-02-2017
Subject: Computer Science
Class: 9
Teacher: Lubna Tanweer**

Q1. Five storage devices are described in the table below.

 In column 2, name the storage device being described.

 In columns 3, 4, or 5, tick () to show the appropriate category of storage.



Q2: An alarm clock is controlled by a microprocessor. It uses the 24 hour clock. The hour is represented by an 8-bit register, A, and the number of minutes is represented by another 8-bit register, B.

1. Identify what time is represented by the following two 8-bit registers.



(b) An alarm has been set for 07:30. Two 8-bit registers, C and D, are used to represent the hours and minutes of the alarm time.

 Show how 07:30 would be represented by these two registers: 

(c) Describe how the microprocessor can determine when to sound the clock alarm.

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