**AL-MAAREF UNIVERSITY COLLEGE أسئلة امتحانات الفصل الأول Stage: Third**

**Computer techniques engineering للعام الدراسي 2015-2016 Time: 75 minute**

**Sub: Digital communication (sample A)**

**Q1/Draw a block diagram of a digital communication system. What the**

**function of each block.**

**An analog signal is expressed by the equation Q2/**

**S(t)=7 cos (30πt) +9 cos (40πt) -11 sin ( 56πt ).**

**Calculate the Nyquist rate of this signal.**

**------------------------------------------------------------------------------------------------**

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