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

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

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

Q1\ What is difference between analog modulation and digital modulation.

Q2\ An analog signal is expressed by the equation s(t) = 5sin(10πt) – 7cos(20πt) + 8sin(40πt).

Calculate the Nyquist rate for this signal.

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