MAWLANA BHASHANI SCIENCE AND TECHNOLOGY UNIVERSITY



DEPARTMENT OF ICT

Lab Report No: 06

Course Code : ICT-4206

Course Title : Digital Signal Processing Lab

Lab Report name : Evaluate DFT of given sequence

Submitted by Submitted to

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Session: 2016-2017 Department of ICT, MBSTU

Year: 4th Semester: 2nd Santosh, Tangail-1902

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Experiment No: 6

Experiment name: Evaluate DFT of given sequence.

Objectives: Through this experiment we will learn how to evaluate DFT of given sequence.

DFT of a sequence:

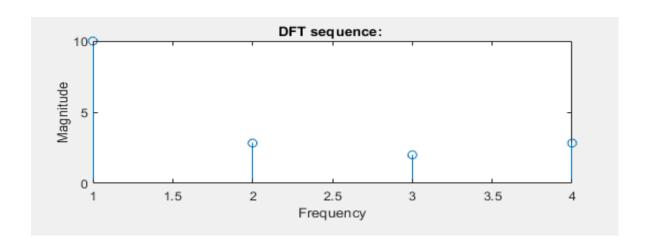
Corresponding code:

Output:

$$x = 1 \quad 2 \quad 3 \quad 4$$

Xk =

10.0000 + 0.0000i - 2.0000 + 2.0000i - 2.0000 - 0.0000i - 2.0000 - 2.0000i



Discussion:

After completing this experiment, we have learnt, about how to evaluate DFT of given sequence.