



# Aror University of Art, Architecture, Design & Heritage Sukkur

Assignment 02

Date: Sep 28, 2013

Subject: Application of Information & Communication Technologies (Theory)

Instructor: Abdul Ghafoor

Q1: convert the following Decimal Number into the Binary Number System:

- a)  $(245)_{10}$
- b)  $(120)_{10}$
- c)  $(1024)_{10}$

Q2: Convert the following Binary into the Decimal Number systems

- a)  $(1000111)_2$
- b)  $(10101010)_2$
- c)  $(10000000)_2$

Q3: List five real-time applications where both digital and analog signals are commonly used. Provide five examples for each category.

## **Submission Guidelines:**

- Solve or write all the assignment questions neatly on paper using a pen or pencil.
- Use a scanner or a scanning app on your smartphone to convert your handwritten assignment into a digital format.
- Combine all scanned pages of your assignment into a single PDF document. Most scanning apps or web application allow you to do this.
- Name your PDF file appropriately, preferably using a format like "YourName\_Assignment.pdf."
- Submit on Google Classroom:
- **Due date: 2 October 2013.**