



كلية تكنولوجيا الصناعة والطاقة

Information Technology Department
3rd Year



جامعة برج العرب التكنولوجية
BORG AL ARAB TECHNOLOGICAL UNIVERSITY

جامعة برج العرب التكنولوجية

Course: Digital Engineering
Semester: 1st term 2025/2026.

Lecturers: Dr. Osama Elnahas, Dr. Dina Abdelhafiz,
Dr. Bassant Tolba, Dr. Radwa Rady
Assistant: Eng, Eng.....,

Assignment1: Digital Engineering

Answer the following questions:

Q1. Draw the Logic Circuit diagram for the following Boolean expression.

$$F = \overline{A}B + \overline{A}.(C + \overline{B})$$

Q2. Find the Boolean expression output and the complement for the following circuits.

