Department of Electrical Engineering
Mid term exam
Date: 24/08/2020

Course Details

Course Title: Thermodynamics   **Module:** 02

Instructor: **Total Marks:** 30

Student Details

Name: **Student ID:**

Q1.	(a)	**Express** the temperature of 140 °C on degree Fahrenheit, Rankine and Kelvin scales.	Marks 06 +05
	(b)	**Formulate** the equation highlighting the work done by a gas or vapour in expanding for a constant temperature process.	CLO 1
Q2.		**Analyze** the given figure and match column 1 with the correct option of column 2.	Marks 08
			CLO 1

Column 1	Column 2
Process I	Adiabatic
Process II	Isobaric
Process III	Isochoric
Process IV	Isothermal

Q3.	i. ii.	**Outline** the differences between work and heat. **Describe** the meaning of the term ΔQ = ΔW	Marks 03+03
			CLO 1
Q4.		**Explain** the process of throttling.	Marks 05
			CLO 1