**Department of Electrical Engineering**

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| **Assignment**  **Date: 24/06/2020**  **Course Details** | | | |
| **Course Title:** | Electronics | **Module:** | 2nd |
| **Instructor:** |  | **Total Marks:** | 50 |
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**Student Details**

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| **Name:** |  | **Student ID:** |  |

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| **Q1** | **a)** Explain Rectifier with half wave and full wave rectification.  **b)** Differentiate between intrinsic and extrinsic semiconductor. | **(20 marks)** |
| **Q2** | **a)** What is Transistor? Differentiate between BJT and FET.  **b)** Differentiate between Inverting and non-inverting amplifier. | **(20 marks)** |
| **Q3** | **a)** Differentiate between Active and saturation region of transistor**.**  **b)** Differentiate between NPN and PNP transistor. | **(10 marks)** |