**EE 1004-** **Electronic Devices and Circuits**

**Fall 2021**

**Assignment # 2 (Sedra & Smith Chap-3, 6th Edition)**

**For the Assessment of CLO-1:** Describe physics, structure, operation and current-voltage characteristics of PN Junction/diode, Bipolar Junction Transistor and MOSFETs.

Uploaded on: September 29, 2021

**Submission Before: October 4th, 2021**

**Cover Sheet:**

* Put a cover sheet which should include your name and ID, and Section.
* Each submitted sheet should be numbered, for example page three should have 3/10 (page number/total number of pages).
* Staple the papers before you come for submission.

**Reading and Practice Material:**

* Text Book sections 3.3 till 3.5 (Sedra Smith, 6th edition)
* Solved examples of topics above.

**Practice Exercises:**

Please attempt the relevant examples and exercise problems before trying the Home Work Problems.

**Assignment Problems: (End Chapter Problems of Chapter 3 of Sedra Smith)**

1. 3.13
2. 3.15
3. 3.18
4. 3.22
5. 3.25
6. 3.28

* ***Please find the sample cover page on next page. Modify the entries accordingly!***

***Sample Cover Page***

**Assignment # 2**

**Electronic Devices and Circuits EE1004, Fall 2021**

Submitted By

**Your name**

**Student ID: 123445455**

**Section:**

Submission Date: **--**

Total Number of Pages (including cover Page) = **--**

**Submitted Problems:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| **1.64** | **1.65** | **1.66** | **1.68** | **..** | **..** | **..** |  |  |
| **X** |  |  |  |  |  |  |  |  |

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| 10 | 11 | 12 | 14 | 14 | 15 | 16 | 17 | 18 |
| **…** | **…** | **…** | **…** | **….** | **…** |  |  |  |
| **X** |  |  |  |  |  |  |  |  |

**(Cross the boxes for submitted problems)**