

**NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY**

**Electronic Devices & Circuits (EE-215)**

**Assignment # 1**

*Operation Amplifiers*

|  |  |
| --- | --- |
| Submitted by: | Muhammad Umer |
| Class: | BEE-12C |
| Semester: | 4th |
| Dated: | 23/02/2022 |
| CMS ID: | 345834 |

**Table of Contents**

|  |  |
| --- | --- |
| **Topic** | **Page No.** |
| **Ideal Op Amp** | 1 |
| * P 2.8 | — |
| **Inverting Configuration** | 3 — 12 |
| * P 2.11 * D 2.13 * P 2.16 * D 2.20 (a) * P 2.23 * P 2.28 * P 2.30 * D 2.34 | — |
| **Non-Inverting Configuration** | 12 |
| * P 2.49 | — |
| **Difference Amplifiers** | 13 — 16 |
| * P 2.60 * P 2.63 * P 2.68 (a) | — |
| **Integrators and Differentiators** |  |
| * P 2.81 * P 2.88 | — |
|  |  |