

**BALOCHISTAN UNIVERSITY OF ENGINEERING & TECHNOLOGY KHUZDAR**

DEPARTMENT: BMED EXAMINATION: Mid Term 2023

SUBJECT: Network Analysis CODE: EE-121

SEMESTER: B.E (2nd Semester) Max: Marks: 20 Time Allowed: 60 Minutes

Note: Attempt All questions

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| **Q.NO** | **Description** | **Marking Scheme** | **CLO/PLO** | **Bloom** |
| 1. | 1. **Define** Inductive Reactance, Capacitive Reactance, Impedance Triangle, Power Triangle, and Source Transformation. | 05 | CLO-1  PLO-2 | C-3 |
| 1. Apply the Nodal Analysis on the below circuit, to **Calculate** the current I3. | 05 | CLO-1  PLO-1 | C-1 |
| 2. | 1. The Parallel RL circuit having the value of first Branch Impedance is Z1 = (3 + j4) ohm and Second Branch Impedance Z2 = 6<300 ohm. **Calculate** (i) Z1 + Z2 (ii) Z1 - Z2 (iii) Z1 \* Z2 (iv) Z1 / Z2. | 05 | CLO-1  PLO-1 | C-1 |
| 1. Apply the Loop Analysis on the given below circuit, **Calculate** the Current Iz . | 05 | CLO-1  PLO-1 | C-1 |

***THE END***