|  |  |
| --- | --- |
|  | **BALOCHISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY KHUZDAR** |

DEPARTMENT: EED Examination**:** Mid Term 2021

SUBJECT: Linear Control System CODE: EE-324

SEMESTER: B.E(6th Semester) Max: Marks: 20

Time Allowed: 40 Minutes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | Sub Q | Description | Marking Scheme | CLO/PLO | Bloom |
| 1. | a | **Explain** Open loop and Closed Loop control System with example. **Compute** the Transfer Function of circuit as shown in Figure 1. | 05 | CLO-1  PLO-1 | C-2 |
| b | **Compute** the poles and zeros of Transfer Function and draw the Pole-Zero diagram. | 05 | CLO-1  PLO-1 | C-2 |
| 2. |  | **Explain** Root Locus. **Compute** the Starting point, Ending point, Numerator of Root Locus, Existence of root Locus and Angle of Asymptotes of below given function: | 10 | CLO-2  PLO-2 | C-4 |

***THE ENDA picture containing text, gauge, device, meter

Description automatically generated***

Figure 1