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|  | GOVERNMENTOFKARNATAKA  DepartmentofCollegiateandTechnicalEducation  **GOVERNMENT/AIDED/PRIVATEPOLYTECHNIC,456**  E-Mail:-Institute/Dept./Faculty(Official ID).456/EC/VEENA H K | FormNo: |
| Revision:  Date: |

INS-FORMAT-13

CIE1(written Test)

Institution Name: VIDYA VIKAS POLYTECHNIC Institutioncode:456

Name of the Program: ELECTRONICS & COMMUNCIATION ENGG Academicyear:2023-2024

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| **Course**  **Name** | | Communication system | **CIE (written Test)** | **3** | **Sem** | **3** | **Date:** |
| **Course**  **Code** | |  | **Duration** | **80mins** | **Marks** | **30** | |
|  | | **Note: Answer one full question from each section.** | | | | | |
| **Section** | **Assessment Questions** | | | **Cognitive**  **Levels** | **Course Outcome** | **ProgramOutcome** | **Marks** |
| I | 1)what is Thevenin’s theorem  OR  List the resource type & explain any one ?  2) what is maximum power transfer theorem (MPTT) | | | L1(R) | 1 | 1,2,5 | 2x3=6 |
|  |  |
| II | 3)explain the characteristics of ideal filters ?  OR  Explain band pass filter  4) applications of attenuators | | | L2(U) | 1 | 1,2,5 | 1x4=4  1x5=5 |
| III | 5) Analyzing transmission media & explain types of transmission media  OR  6) analyze optical fiber cable system | | | L3(A) |  |  | 1x7=7 |
| 2 | 1,2,3,4 |
| IV | **7**) Analyze basic fiber optic system principle | | | L4(AN) |  |  | 1x8=8 |
| 2 | 1,2,3,4 |