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| Enroll No |
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K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
 (An Empowered Autonomous Institute, affiliated to SUK)
Unit Test -I / II (2025-26)

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| Q.P. Code |
| UT 2983 |

T.Y. B.Tech.-Electronics & Telecommunication Engineering
Course Code:ECMD303 Course Name:MDM-IV Electronics Product Design

Day & Date: Tuesday 12/08/2025

Time: 3:45 To 4:45

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded() brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

| | | | Marks | BT Level | COs |
|-----|---|--|-------|-------------|-----|
| Q.1 | A | Illustrates product development stages(4M) with the help of block diagram(3M). | 07 | L3 | CO1 |
| | | OR | | | |
| | A | Elaborate 4-channel data acquisition system(DAS)(4M) with the help of example (3M). | 07 | L3 | CO1 |
| | B | Explain (3M) cost design characteristic curve (3M). | 06 | L2 | CO1 |
| Q.2 | A | Define the term packaging (1M). Explain different types of Packaging with the help of examples (5M). | 06 | L1,2 | CO2 |
| | B | Explain the working of 1) Transient Voltage Suppressor (3M). | 06 | L2 | CO2 |
| | | 2) Line Filters (3M). | | | |
| | | OR | | | |
| | B | Describes the different types of noises in electronics circuits (1M for each). | 06 | L2 | CO2 |

