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| Course Title: **Microprocessor Laboratory** | Course code**: CSL1543** |
| Lab Session: **1** | Student Name:  USN :  Date : |
| Title: **Introduction to Microprocessors** |
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| Faculty Signature: | Marks(out of 10): |

**Objective:** Write-up on Microprocessors types and introduction to RISC and CISC architectures, Cortex M0 Functional block diagram and description.

**Answer the following questions:**

**1) Explain the Stored Program concept of a computer?**

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**2)List some of the Applications of the below given microprocessor?**

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| Microprocessor | Application |
| 4 bit |  |
| 8 bit |  |
| 16 bit |  |
| 32 bit |  |
| 64 bit |  |

**3) Define ISA?**

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**4) Bring out the differences between RISC and CISC architectures.**

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**5) What is the size of Cortex M0 processor?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6) Which is the Instruction set used by Cortex M0 processor?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7) State the use of NVIC and WIC in Cortex M0 processor?**

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**8) Draw the Functional diagram of Cortex M0 processor?**

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