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| **ENGINEERING OF PHYSICS****MECHANICAL PHYSICS LABORATORY II** |

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| **EXPERIMENT NAME:** OHM’S LAW- SERIES AND PARALLEL CIRCUITS**EXPERIMENT NO:** 3**STUDENT NAME SURNAME:****STUDENT NUMBER:****DEPARTMENT&EDUCATION TYPE:** |

**PART 2: PARALLEL CIRCUIT**



V= 5.02 V (applied voltage)

R1= 11Ω V1= 4.94 V (measured voltage)

R2= 47Ω V2= 4.94 V (measured voltage)

Calculate the total current I for this circuit. Find the percentage error between applied voltage and the voltages V1 and V2.