**NATIONAL ACADEMY FOR LEARNING**

**12 ISC PHYSICS WORKSHEET - AC**

1. **Fill in the blanks:**
2. Voltage  **=**
3. **Voltage**   **=**
4. **Voltage**   **=**
5. Show the instantaneous current in the following vector diagram:
6. What is a Phasor?
7. What do you understand by Impedance?
8. **Fill in the blanks:**

XC =

XL =

Z =

State the SI unit of measuring the above quantity.

1. **Draw an impedance triangle**
2. **Name** 1…………. 2…………………

3…………. 4 …………………

5…………… 6 ………………

1. Define Power in an AC circuit
2. State two condition necessary for resonance to take place in an LCR series circuit.
3. Write expressions for output voltage and output current in a series LCR circuit.

11.

