

## **Unit:-6**

1. Explain about recursive and recursively enumerable language
2. Explain the halting problem and demonstrate that it is undecidable
3. Explain in detail about P, NP, NP-complete and NP-hard problems with examples for each.
4. Define Post Correspondence Problem? Explain in brief about PCP with an example?
5. Explain about the Decidability and Undecidability Problems?