Assignment III UNIT-III PART-A

- 1. What is pipelining?
- 2. Define Pipeline speedup.
- 3. What are the major characteristics of a pipeline?
- 4. What is data path?
- 5. What is a hazard?
- 6. Why is branch prediction algorithm needed? Differentiate between the static and dynamic techniques.
- 7. What do you mean by delayed branching?
- 8. What is precise exception?

PART-B

- 1. What is data hazard? Explain the ways and means of handing it.
- 2. What is instruction hazards? Explain in detail how to handle the instruction hazards in pipelining with relevant examples .
- 3. Explain the dynamic branch prediction technique.
- 4. Write note on exception handling