**Mandsaur University mandsaur**

Department of Computer Science and Engineering

Compiler Design Assignment - CSE V Semester

Unit - III

1. **Compare and contrast** static and dynamic type checking in terms of error detection, performance, and flexibility. How do these differences impact compiler design?
2. **Evaluate the impact of different storage allocation strategies** (static, stack, heap) on runtime performance and memory management. Provide examples where each strategy is most appropriate.