# MID TERM EXAMINATION
## EIGHTH SEMESTER [B. TECH.] APRIL 2021

**Paper Code:  ETCS418**                                     **Subject: Principle of Programming Languages**

**Time: 1Hour 30 Min.**                                     **Maximum Marks: 30**

*Note: Attempt any Three questions including Q. No. 1 which is compulsory.*

**Q1**   **(a)**   **Provide explanation of the following terms:**                          **(2)**
      i)   **Syntax**
      ii)   **Semantic**
      iii)   **pragmatic**

    **(b)**   **Describe the steps used in  binding time spectrum .**           **(2)**

    **(c)**   **Why pointers are considered an important term in programming?**   **(2)**

    **(d)**   **What are the various primitive datatypes used in programming languages?**   **(2)**

    **(e)**   **Explain the concept of inheritance and how it is useful in different languages.**   **(2)**

**Q2**   **(a)**   **How l-values and r-values are used in programming. Give some examples to show the usage of these terms.**   **(6)**

    **(b)**   **Describe formal translation Models in detail.**           **(4)**

**Q3.**   **(a)**   **Define implicit and explicit sequencing with examples.**   **(5)**

    **(b)**   **Briefly explain the statement level control structure.**   **(5)**

**Q4.**   **(a)**   **Write the difference between type conversion and type coercion**   **(5)**

    **(b)**   **Discuss the characteristics of Object-Oriented Programming.**   **(5)**