## Hathematics - II (Calculus) Assignment -1

- 1. Evaluate the following improper integrals and discuss about IER kind and convergence.

  (a) julianda (b) juenta.
- 2. Uning Comparison test, Find the convergence of the Improper integral.

  1 1+25inada
- 3. Use quotient test and find its convergence.

  J' Sinn dn.
- 4. Evaluate the integral using T-functions

  [ ] 24(log = ) 3 da
  - 5. Uning Beta functions. Show that

    B(m,n) = 2 | The condide and

    Uning above relation evaluate | Sine condide.