

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B. E. COMPUTER ENGINEERING

B. E SEMESTER – III (CE)

(Effective From June 2006)

CE 306 COMPUTER ORIENTED NUMERICAL METHODS

TEACHING SCHEME:

THEORY 03 HRS/WEEK

PRACT 02 HRS/WEEK

TOTAL 05 HRS/WEEK

EXAM SCHEME:

THEORY 100 MARKS (3HRS)

PRACT 25 MARKS

TW/VIVA 25 MARKS

TOTAL 150 MARKS

- Methods For Solution Of Equation
- Errors (And Numerical And Instabilities) In Numerical Methods.
- Solution Of Simultaneous Linear Algebraic Equation.
- Interpolation
- Least Squares Approximations.
- Numerical Differentiation And Integration
- Ordinary Differential Equations.

REFERENCE BOOKS:

1. Numerical Methods With Fortran Iv Case Studies {By William S. Doon. & Daniel D. McCracken. }
2. Computer Oriented Numerical Methods {By Rajaraman. }