

HEMCHANDRACHARYA, NORTH GUJARAT UNIVERSITY, PATAN

B.E SEMESTER - III (IT)

IT306 COMPUTER ORIENTED NUMERICAL METHODS

(In force from June 2006)

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.

Texts/References :

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