

# DEPARTMENT OF MATHEMATICS, I.I.T. GUWAHATI

## MA 322: Scientific Computing Lab

### (Output file to be submitted)

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The output file which you will submit should contain the following:

- The MATLAB code.
- The Output table - will consist of three columns named as number of iterations, approximate solution and error respectively.
- Figures of :- (a).  $x$  vs solution, (b).  $x$  vs error, (c).  $x$  vs order of convergence, (d). Mesh points vs error (loglog plot).  
All at three different points of time.