

**Practical: Solution by Programming in C**  
**Teaching: 2 Hours per Week per Batch**  
**(20 Candidates in each Batch)**

**Examination:**

**Scheme**

Max.Marks

Min.Pass Marks

Distribution of Marks:

Two Practicals

15 Marks each

Practical Record

Viva-voce

Total Marks

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30 Marks (13 Marks each)

10 Marks

10 Marks

50 Marks

**Duration: 2 Hours**

**Science**

50

18

**Arts**

40

13

26

07

07

40

Programming in C and execution for the result of

1. Solution of linear algebraic equations by Gauss elimination method
2. Solution of algebraic and transcendental equations by Bisection, False position and Newton – Raphson Methods
3. Solution of ordinary differential equations by Euler's and Runge-Kutta 4<sup>th</sup> order method
4. Numerical integration by Trapezoidal and Simpson's one third rule
5. Mean and standard deviation (S.D.), Line Graph, Histogram, Bar Graphs, Pie Charts

**Note:**

1. Each Candidate (Regular/Non-Collegiate) has to prepare his/her practical record.
2. Each Candidate has to pass in Practical and Theory examinations separately.
3. Non Collegiate candidates are required to take practice certificate of 21 days (2 hours per day.)