

Assignment-1-MAT2003- Applied Numerical Methods



Online class assignment

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|-----------|------------------------------------|------------|-----------------------|
| Programme | : B.Tech. | Semester | : Fall 2020-21 |
| Course | : Applied Numerical Methods | Code | : MAT2003 |
| Faculty | : Dr. Mamta Agrawal | Slot | : E11+E12+E13 |
| Time | : Before 12 July 2020 | Max. Marks | : 05 |

Answer all the Questions

| Q.No. | Sub. Sec. | Question Description | |
|-------|-----------|--|-----|
| 1 | | Find a real root of the equation $x^3 - 4x - 9 = 0$ by the bisection method correct to three decimal places. | 2.5 |
| 2 | | Find a real root of the equation $\cos x = xe^x$ by the bisection method (Three iterations). | 2.5 |