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# Faculty of Engineering Technology

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| **Department** | **: Mathematics and Statistics** |
| **Programme** | **: B. Tech. (All Branches)** |
| **Semester / Batch** | **: 2 / 2023** |
| **Course Code** | **: MTF111A** |
| **Course Title** | **: Engineering Mathematics - 2** |

**Tutorial – 1: Order, Degree of the differential equation, Linear homogeneous differential equation with constant coefficients, Initial and boundary value problems**

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| **Sl No** | **Questions** |
| **1.** | Obtain the **general solution** of the following differential equations: |
| **2.** | Solve the following **initial value problems:** |
| **3.** | Determine the solution of given **boundary value problems**: |