# C:\Users\sec.registraracad\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\H8M811DG\logo.jpg

# Faculty of Engineering Technology

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

|  |  |
| --- | --- |
| **Tutorial Problems – 2: Linear non-homogeneous differential equation with constant coefficients** | |
| **Sl No** | **Questions** |
| **1** | Solve the following linear nonhomogeneous differential equations by the method of **undetermined coefficients.** |
| **Ans.** |
| 1. **Ans.** |
| **Ans.** |
| **Ans.** |
| **Ans.** |
| 1. **Ans.** |
| **Ans.** |
| **Ans.** |
| **2** | Solve the following differential equations by the method of **variation of parameters**. |
| 1. **Ans.** |
| 1. **Ans.** |
| 1. **Ans.** |
| **Ans.** |
| 1. **Ans.** |
| **Ans.** |