SREE CHAITANYA MAHAVIDYALAYA
<u>INTERNAL EXAMINATIONS : 2021</u>
B.SC. (GEN) SEMESTER : II
PAPER CODE : MTMGCOR02T
PAPER NAME : DIFFERENTIAL EQUATIONS

Time: 30 Min   **Full Marks: 10**

[Answer any <u>Five</u> questions (2 x 5=10)]

1. State the condition for 'exactness' of a first order ODE.

2. What do you mean by an 'Integrating Factor' ?

3. Define the term 'Wronskian'.

4. What is the form of a 'Claraut's ODE' ?

5. State 'Cauchy-Euler theorem' for a ODE.

6. Define a Partial differential equation of 2nd order.

7. State the types of 2nd order PDE.

8. What do you mean by 'Complementary Function' & 'Particular Integral' ?

Click the *Link* below to submit the *Answer Script* (in a single PDF file)

<< https://forms.gle/GDvptzaRdZbqPmz6A >>