**MTH603 Final Term Exam Papers August-2023**

MTH603 Numerical Analysis  
Time: Morning 7:30 AM  
Date: 15/08/2023  
Q1. Applying Simpson 1/3 rule  
Q2. Applying Milne’s Predictor Formula  
Q3. Write fown Newton’s Forward Difference Formula  
Q4. Bivariate table is constructed for given f(x,y) where x and y are given  
Q5. Milne’s Predictor (long)  
Q5. RK Order 4, Evaluate k1,K2,k3,k4  
Q6. Obtain Divided Differences x and y given  
Q7. Obtain Backward Difference table

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Today mth603 paper  
7:30  
Short questions forward difference table formula  
Backward difference with formula value given thii  
Newton’s divided difference  
Euler Method  
Long question  
Lagrange interpolation  
Milne predictor method

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Mth603 Today 9:30  
Construct Forward Table (3 marks)  
Construct Backward Table (5 marks)  
Simpson 1/3 Rule (short +mcqs)  
Trapezoidal rule (5 marks)  
Euler’s method (short + mcqs )  
Runge-Kutta Method(5 marks)