**QUESTIONS BANK FOR SECOND SEMESTER**

Numerical analysis with R

Q1)

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Q2 prove

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Q3)

Q4)

Q5) Use integration via interpolation for Simpson’s method

Q6)

Q7) u

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Q8) Use integration via interpolation newton–coat method

Q9) )

Q10)

Q11) Write the differences between Simpsons method and newton –coat method and derive one method

Q12) u

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Q13) Can we use the same data for analyzing the and

Why? Discuss it?

Q14)For the hyperbolic function

Q15)

Q16)

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Q17)

Q18)

Q19)

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Q20)

Q21)

Q22) *For* ***f*** (𝒙)=ln𝒙 *Use five term of this series to estimate* ln6

Q23)

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Q24)

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e^{{ix}}=\cos x+i\sin x\ 

***f*** (𝒙)=ln𝒙 *Find Taylor series around the point* 𝑎=𝜋4

*Q34 )If* ***f*** (𝒙)=ln𝒙 *Find remainder of Taylor series*

*Q35) Find Maclaurianseries and General Formula(G.F*

*Q36)* Write the General table for Forward Differences (F.W.D.)