

## Term Paper

MSc-IV (Regular / Self Support)

Course Name: Integral Equations

Course Code: MATH-604

1. **The Adomian Decomposition Method for Volterra Integral Equation of second kind (pp. 66)**  
MMAF18M005, MMAF18M009, MMAF18M010, MMAF18M012, MMAF18M032, MMAF18M044
2. **The Modified Decomposition Method for Volterra Integral Equation of second kind (pp. 73)**  
MMAF18M001, MMAF18M002, MMAF18M003, MMAF18M004, MMAF18M006
3. **The Noise Terms Phenomenon for Volterra Integral Equation of second kind (pp. 78)**  
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4. **The Variational Iteration Method for Volterra Integral Equation of second kind (pp. 82)**  
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5. **The Successive Approximations Method for Volterra Integral Equation of second kind (pp. 95)**  
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6. **The Laplace Transform Method for Volterra Integral Equation of second kind (pp. 100)**  
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7. **The Series Solution Method for Volterra Integral Equation of second kind (pp. 103)**  
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8. **The Series Solution Method for Volterra Integral Equation of first kind (pp. 109)**  
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9. **The Laplace Transform Method for Volterra Integral Equation of first kind (pp. 111)**  
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10. **Conversion to a Volterra Equation of the Second Kind (pp. 115)**  
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11. **The Method of Regularization (pp. 161)**  
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