CONTENT – Level 2 Calculus:

1. Finding the Derivative of a Polynomial with One Term	4
2. Finding the Derivative of a Polynomial with more than One Term	5
3. Calculating the Gradient of the Tangent to the Curve	6
4. Equation of the Tangent to the Curve	8
5. Equation of a Tangent given x -ordinate of a Point on the Curve	10
6. Finding the Co-ordinates of a Point on a Curve with a given Gradient	12
7. Finding the Co-ordinates of a Stationary Point	14
8. Finding the Co-ordinates of a Local Maximum	16
9. Finding the Co-ordinates of a Local Minimum	18
10. Finding the Values for x when Function is Increasing	20
11. Finding the Values for x when Function is Decreasing	22
12. Finding the Anti-derivatives of Polynomials with One Term	24
13. Finding the Anti-derivatives of Polynomials with more than One Term	25
14. Evaluating the Constant of Integration	26
15. Kinematics. From Displacement to Velocity	28
16. Kinematics. From Displacement to Velocity and Acceleration	30
17. Kinematics. From Velocity to Displacement	32
18. Kinematics. From Acceleration to Velocity and Displacement	34
19. Rates of Change	36
20. The Equation of a Parabola from the Graph of its Derivative	38
21. Calculus Application with the Parametric Equations	40
ANSWERS	42
REFERENCES	43