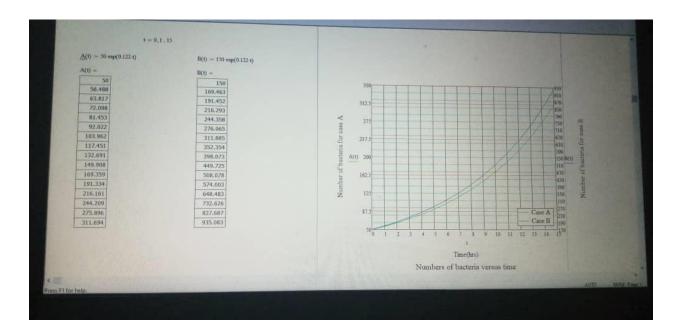
NAME: BOLAJI OLUWATOSIN DEPARTMENT: BIOMEDICAL ENGINEERING MATRIC NUMBER: 18/SCI05/003 COLLEGE: ENGINEERING ENGINEERING MATHEMATICS 2 ENG 282 ASSIGNMENT



| Name D |
|---|
| Name Bolgi Olivatoria |
| Finance bipmedical Engineerin nav |
| Matric MD: 18/5CID 51008 Yo = Inititial substance |
| y = Final |
| |
| Formula = y = yoent |
| |
| $y = 3y_{2}, #$ $y/y_{2} = e^{Rt} = 3 \text{ at } t = 9$ |
| $y = 3xy_0$ |
| |
| $9/y_0 = e^{kt} = 9 \text{ at } t = 18$ |
| yo=50 |
| yo = 150 |
| (Konstant xt) |
| $C^{kt} = exponential V$ |
| CKt = 3 |
| ln3=k+ |
| |
| Ln3=9K |
| K = 1n3 = 0.1221 |
| 9 |
| $e^{Kt} = 9$ |
| Ln 9 = 18 12 |
| K = 1n9 = 0.1220 |
| |
| 0.1221 |
| $ \frac{18}{18} = 50e^{0.1221} = 50e^{0.1221} $ |
| $y = 50e^{1/2}$ |
| |
| (Graph attached on the next page) |
| (Graph addented the 10 |
| |
| |
| |
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| |
| |
| |