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|  | Name | Matric |
| Leader |  |  |
| Members |  |  |
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**Team Work Tutorial 3**

**CALCULUS**

1. An experiment was conducted to identify is the quality of air purifier. After  minutes of testing, the amount of smoke remaining given by the function below:



Determine and  and interpret the result. Hence, calculate the percentage of the amount of the smoke remaining, after 10 minutes.

(5 Marks)

1. Animal physiologists use the formula  to calculate an animal’s body surface area in square meters. The variable represents the weight,  is constant and both are depend on the animal type. The physiologist wants to calculate the body surface area of the horse. If the horse weight is estimated at 300 kg with a maximum error in measurement of 0.6 kg, and, determine the percentage error of the horse’s body surface area.

(5 Marks)