**Aarambh Classes**

**Class XII**

**INTEGRALS**

**IMPORTANT QUESTIONS**

**Evaluate the following integrals :**

1. dx
2. dx
3. dx
4. dx
6. The demand function of a product is p =10e.Find the consumer’s surplus when the market price p=1 .(Given =0.4343 )
7. The supply function of aproduct is p =0.4 e,where x denotes 1000 units .Find producer’s surplus when sales are 2000 units .(Given e=54.6 )
8. The marginal cost function of producing x units of aproduct is given by MC = 3 +5 .If the fixed cost is rs 6050 ,find the total cost function .Also find the cost of production of 10 units .
9. The supply function for a commodity is p=4+x .Determine producer’s surplus if 12 units of goods are sold .