

## Science and Technology

FORMULAS	
$C = \frac{m}{V}$ <p> <i>C</i> : concentration  <i>m</i> : quantity of solute  <i>V</i> : quantity of solution                 </p>	$P = VI$ <p> <i>P</i> : electrical power  <i>V</i> : potential difference  <i>I</i> : electric current intensity                 </p>
$V = RI$ <p> <i>V</i> : potential difference  <i>R</i> : resistance  <i>I</i> : electric current intensity                 </p>	$E = P\Delta t$ <p> <i>E</i> : energy consumed  <i>P</i> : electrical power  <i>Δt</i> : time difference                 </p>
$\text{Energy efficiency} = \frac{\text{Amount of useful energy}}{\text{Amount of energy consumed}} \times 100$	

**Distribution of the Questions Related to Each Area of the Program and Weighting  
Science and Technology**

	The Living World	The Earth and Space	The Material World	The Technological World	Number of Questions per Part
<b>Part A</b>	---	3 questions	10 questions	2 questions	15
<b>Part B</b>	1 question	1 question	3 questions	1 question	6
<b>Part C</b>	---	---	---	4 questions	4
<b>Weighting</b>	4%	16%	52%	28%	100%