**TERZA PROVA INGLESE 5EC**

**Candidato \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Answer the questions ( 5 lines 30 % ) . E’ consentito l’uso del dizionario monolingue e di mappe concettuali.**

1. **Explain the reasons the logical rules are based on Boolean algebra, developed by the British mathematician George Boole. Why is it well adapted to digital processing?**

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**2. What are automation and mechanization? Stress the difference and the areas they are used and their advantages.**

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**3. Explain how an amplifier works. Write notes about its applications, frequency ranges and factors affecting the quality.**

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