

OpenCourseWare

Theory of Information and Communication

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Unit 2- Test 2.3

Instructions:

Match each concept from the left column with its corresponding term or description in the right column. Write the letter corresponding to the correct term/description next to the number of the concept.

Concept	Term/Description
1. Information Theory	
2. Entropy	
3. Redundancy	
4. Claude Shannon	
5. Shannon's Model of Communication	
6. Markov's Contribution	
7. Cryptography	
8. Universal Turing Machine	
9. Semiotic Theory	
10. Alan Turing	

- A. Focuses on transmitting signals through channels efficiently.
- B. Statistical measure of uncertainty or disorder in a message.
- C. The amount of repetitive or predictable information in a message.
- D. Key figure in the development of Information Theory, focused on signal transmission.
- E. A linear model of communication focusing on signal transmission.
- F. Developed the probability theory applied in Information Theory.
- G. The study of encoding and decoding messages, a key contribution by Shannon.
- H. Concept developed by Alan Turing to model computation.
- I. The study of signs and symbols in communication.
- J. Mathematician and computer scientist who contributed to computation theory and cryptography.

