

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	A. Focuses on transmitting signals through channels efficiently.
2. Entropy	B. Statistical measure of uncertainty or disorder in a message.
3. Redundancy	C. The amount of repetitive or predictable information in a message.
4. Claude Shannon	D. Key figure in the development of Information Theory, focused on signal transmission.
5. Shannon's Model of Communication	E. A linear model of communication focusing on signal transmission.
6. Markov's Contribution	F. Developed the probability theory applied in Information Theory.
7. Cryptography	G. The study of encoding and decoding messages, a key contribution by Shannon.
8. Universal Turing Machine	H. Concept developed by Alan Turing to model computation.

Concept	Term/Description
9. Semiotic Theory	I. The study of signs and symbols in communication.
10. Alan Turing	J. Mathematician and computer scientist who contributed to computation theory and cryptography.

