

Task 3. Match the words and expressions from the text with their Russian or Ukrainian equivalents. (ответы пишем маленькими буквами ниже под таблицей!)

1	To impose limitations	a	початкове повідомлення / исходное сообщение
2	Absolute precision	b	стискати інформацію / сжимать информацию
3	To provide impetus	c	ставати очевидним / становится очевидным
4	Random disturbances	d	величезна увага / огромное внимание
5	To entitle a paper	e	певна модель / определенная модель
6	An original message	f	невизначена інформація / неопределённая информация
7	To treat independently	g	чернетка, проект, зразок / черновик, проект, образец
8	To become apparent	h	накладати обмеження / накладывать ограничения
9	To quantify information	i	озаглавлювати статтю / озаглавливать статью
10	A distinct model	j	абсолютна точність / абсолютная точность
11	A landmark paper	k	визначати кількість інформації / определять количество информации
12	Nebulous information	l	випадкові обурення / случайные возмущения
13	to reduce information	m	розглядати незалежно / рассматривать независимо
14	blueprint	n	служити стимулом / служить стимулом
15	tremendous attention	o	епохальна стаття / эпохальная статья

1- 2- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 13- 14- 15-

STATEMENTS (пишем T\F большими буквами!)

1. In Claude E. Shannon's 1948 article, information theory was introduced as a means of channelling communication.
2. Information technology as a scientific discipline began with Shannon's 'A Mathematical Theory of Information'.
3. Shannon suggested a method of calculating information which could be transmitted over a channel.
4. The transmission part of the theory deals with the message produced by the information source.
5. A message is encoded before being used as an input for a communication channel.
6. Any channel used for communication excludes noise.
7. The channel output is decoded by a receiver to recover the message.
8. It is obvious that a communication system should be dealt with as a whole unit.

9. The Shannon model could be applied only in the field of communication.
10. Shannon's model is the foundation of all modern digital communication systems.
11. C. Shannon may have been the first who found the phenomenon of thermodynamic entropy.
12. Shannon was the first who considered communication as a rigorously stated mathematical problem in statistics.
13. The term 'bit' was first introduced in Shannon's later publications.
14. A corner stone of information theory is the idea of quantifying information in a message.
15. The term 'Information Theory' first appeared in Claude E. Shannon's 1948 article.
16. Shannon's 1948 article was regarded as a theoretical curiosity.
17. Information theory as a scientific discipline appeared only due to Shannon's work.
18. Scientific investigations of various research groups and individuals very much contributed into the development of information theory.

POST-READING TASKS

Task 5. Match the given words and phrases with their synonyms. .(ответы пишем маленькими буквами ниже под таблицей!)

1	fundamental	a	a method
2	suitable	b	to show
3	a blueprint	c	necessary
4	to quantify	d	a medium
5	original	e	acceptable/appropriate
6	a mode	f	obvious/evident
7	precision	g	assistance
8	essential	h	basic
9	to entitle	i	to recover
10	a channel	j	an equation
11	apparent	k	initial
12	support	l	a program/scheme/draft
13	to recreate	m	accuracy
14	a formula	n	to measure
15	to demonstrate	o	to name

1- 2- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 13- 14- 15-

Task 6. Match the given words and phrases with their antonyms. .(ответы пишем маленькими буквами ниже под таблицей!)

1	fluid	a	final
2	different	b	little
3	to attract	c	to increase
4	a coder	d	a receiver
5	tremendous	e	clear
6	to push	f	to combine
7	a dawn	g	analogue / linear
8	to reduce	h	to distract
9	nebulous	i	solid
10	a transmitter	j	a decoder
11	suitable	k	similar
12	to separate	l	to pull
13	original	m	inappropriate
14	digital	n	a sunset

1- 2- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 13- 14-

Task 7. Match the two halves of some expressions given in the text. .(ответы пишем маленькими буквами ниже под таблицей!)

1	suitable for	a	the quantity
2	to process	b	description for data
3	random	c	limitations
4	to convert	d	over a channel
5	a mathematical	e	system
6	to define	f	quantity
7	absolute	g	disturbances
8	to transmit	h	digit
9	a communication	i	entropy
10	a measurable	j	into a signal
11	to impose	k	the original message
12	a binary	l	transmission
13	statistical	m	an estimate
14	informational	n	formula
15	to recreate	o	precision
16	tomake	p	a message

1- 2- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 13- 14- 15- 16-