

## *Quizzes: Chapter 15*

1. Data is compressed using a dictionary with indexes to strings. This is \_\_\_\_\_.

- a. Huffman encoding
- b. Lempel Ziv encoding
- c. Morse coding
- d. lossy coding

**Correct Answer: (b)**

2. A string of one hundred 0s is replaced by two markers, a 0, and the number 100. This is \_\_\_\_.

- a. run-length encoding
- b. Morse coding
- c. Huffman encoding
- d. Lempel Ziv encoding

**Correct Answer: (a)**

3. \_\_\_\_ is an example of lossy compression.

- e. Huffman encoding
- f. Lempel Ziv encoding
- g. Run-length encoding
- h. JPEG

**Correct Answer: (d)**

4. In a \_\_\_\_ data compression method, the received data is an exact copy of the original message.

- a. lossless
- b. lossy
- c. JPEG



- c. only an algorithm
- d. a dictionary, a buffer, and an algorithm

**Correct Answer: (d)**

**10.** JPEG encoding involves \_\_\_\_, a process that reveals the redundancies in a block.

- a. blocking
- b. the discrete cosine transform
- c. quantization
- d. vectorization

**Correct Answer: (b)**

**11.** In JPEG encoding, the \_\_\_\_ process breaks the original picture into smaller blocks and assigns a value to each pixel in a block.

- a. blocking
- b. DCT
- c. quantization
- d. vectorization

**Correct Answer: (a)**

**12.** The last step in JPEG, \_\_\_\_, removes redundancies.

- a. blocking
- b. quantization
- c. compression
- d. vectorization

**Correct Answer: (c)**

**13.** \_\_\_\_ is a lossy compression method for pictures and graphics, whereas \_\_\_\_ is a lossy compression method for video.

- a. DCT, MPEG
- b. MPEG, JPEG
- c. JPEG, MPEG
- d. JPEG, DCT

**Correct Answer: (c)**





