

## *Quizzes: Chapter 18*

1. The main foundation of thinking machines came from:

- a. Sir Isaac Newton
- b. Gottfried W. Leibniz
- c. Alan Turing
- d. John McCarthy

**Correct Answer: (d)**

2. The term Artificial Intelligence (AI) was first coined by:

- a. Alan Turing
- b. John McCarthy
- c. Steven Spielberg
- d. Richard H. Richen

**Correct Answer: (b)**

3. Two programing languages specifically designed for AI are:

- a. C and C++
- b. Java and C++
- c. LISP and PROLOG
- d. FORTRAN and COBOL

**Correct Answer: (c)**

4. A node in semantic network becomes \_\_\_\_\_.

- a. a slot in frames
- b. an edge in frames
- c. an object in frames
- d. a line in frames

**Correct Answer: (c)**

5. Which of the following is not a sentence in a propositional logic:

- a. Ford is a car.
- b. If John is home then Mary is at work.
- c. True.
- d. Where is John?

**Correct Answer: (d)**

6. Two quantifiers  $\forall$  and  $\exists$  are used in:

- a. propositional logic
- b. predicate logic
- c. atomic sentences
- d. conclusion of any argument

**Correct Answer: (b)**

7. To find the depth of an object, we use:

- a. edge detection
- b. segmentation
- c. stereo vision
- d. shading

**Correct Answer: (c)**

8. To find the orientation of an object, we use:

- a. stereo vision
- b. motion
- c. texture
- d. segmentation

**Correct Answer: (c)**

9. In language understanding, parsing a sentence is part of:

- a. speech recognition
- b. syntactic analysis
- c. semantic analysis
- d. pragmatic analysis

**Correct Answer: (b)**

10. We use brute-force search:

- a. if we have no prior knowledge about the search
- b. if we need to do the search quickly
- c. if we need to do the search thoroughly
- d. after performing heuristic search

**Correct Answer: (a)**

**11.** In a biological neuron, the synapse:

- a. holds the nucleus of the cell
- b. acts as input device
- c. is the connecting point between the axon of the neuron and dendrites of other neurons
- d. acts as the output device

**Correct Answer: (c)**

**12.** A perceptron:

- a. is a biological neuron
- b. is one of the parts of a biological neuron
- c. is an artificial neuron
- d. applies a weight on signals that pass through the neighboring neuron

**Correct Answer: (c)**

