

PRINT READING FOR ELECTRONICS ASSEMBLY TRAINING CERTIFICATION TEST (DVD-8C) v.1

This test consists of twenty multiple-choice questions. All questions are from the video: *Print Reading for Electronics Assembly (DVD-8C)*.

Each question has only one *most* correct answer. Use the *Answer Sheet* and circle the letter corresponding to your selection for each test item. If you wish to change an answer, erase your choice completely.

You should read through the questions and answer those you are sure of first. After your first pass through the test, then go back and answer the questions that you were not sure of. If two answers appear to be correct, pick the answer that seems to be the most correct response.

When you are finished, check to make sure you have answered all of the questions. Turn in the test materials to the instructor.

The passing grade for this test is 70% (14 correct answers or better).

Good luck!

PRINT READING FOR ELECTRONICS ASSEMBLY TRAINING CERTIFICATION TEST (DVD-8C) v.1

ANSWER SHEET

Name: _____ Date: _____

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D

PRINT READING FOR ELECTRONICS ASSEMBLY TRAINING CERTIFICATION TEST (DVD-8C) v.1

- 1. Customer drawings**
 - a. are always correct
 - b. may have slight variations in content and layout
 - c. are only used for circuit board assembly
 - d. all of the above

- 2. Prints are used to examine bare circuit boards**
 - a. after component placement
 - b. during functional test
 - c. during incoming inspection
 - d. after wave soldering

- 3. The circuit board assembly bill of materials always specifies**
 - a. the bare circuit board
 - b. all electronic components
 - c. all non-electrical components
 - d. all of the above

- 4. The circuit board assembly drawing shows the**
 - a. location of components by CRD
 - b. part numbers of the components
 - c. values of the components
 - d. all of the above

- 5. Capacitance is measured in**
 - a. farads
 - b. ohms
 - c. henries
 - d. johnsons

- 6. SMD stands for**
 - a. Silver Micro Diode
 - b. Stand-Off Minimum Distance
 - c. Surface Mount Device
 - d. Sealed Marking Diameter

- 7. For components, tolerance means**
 - a. working with components you don't like
 - b. the acceptable operating range of a component
 - c. reworking very small components without complaining
 - d. allowance for inadequate solder wetting

PRINT READING FOR ELECTRONICS ASSEMBLY TRAINING CERTIFICATION TEST (DVD-8C) v.1

- 8. Reference designators are used to**
- identify the component value
 - designate the bare circuit board
 - create testing software
 - identify components by type and location
- 9. The reference designator for a lock washer is the letter**
- W
 - M
 - LW
 - lock washers do not have reference designators
- 10. Components with positive and negative connections have**
- polarity
 - ultra fine pitch
 - black and white leads
 - none of the above
- 11. The anode is**
- a grounded wire
 - the negative lead
 - the positive lead
 - an open castellation
- 12. The symbol for a cathode is a**
- plus sign
 - minus sign
 - peace sign
 - triangle within a circle
- 13. When pin 1 of a component is in the same position as pin 1 of the land, the component is**
- polarized
 - positive
 - in proper orientation
 - electrically neutral
- 14. When polarities are reversed, the component**
- can be destroyed
 - operates the same as normal polarity
 - operates at half efficiency
 - requires twice the voltage

PRINT READING FOR ELECTRONICS ASSEMBLY TRAINING CERTIFICATION TEST (DVD-8C) v.1

15. The purpose of a wire harness is to

- a. interconnect electronic signals
- b. provide power to different parts of a product
- c. connect switches and indicators to a circuit board assembly
- d. all of the above

16. The cut and strip lengths for all wires is typically called out on the

- a. wiring diagram
- b. wire cut list
- c. bill of materials
- d. assembly drawing

17. The bill of materials for box build contains

- a. the part numbers and quantities of all the hardware required for the build
- b. step-by-step procedures used to accomplish the build
- c. photographs of all the billed materials that will be installed
- d. line drawings of all the hardware and tools used for the build

18. The physical form of the final product is shown in the

- a. method sheet
- b. assembly drawing
- c. bill of materials
- d. assembly instructions

19. Incomplete or inaccurate documentation

- a. never happens
- b. is okay up to a certain point
- c. always happens
- d. should be pointed out to your supervisor

20. The bill of materials is used to

- a. specify torque settings for the drivers
- b. determine the build sequence
- c. verify part numbers and quantities of materials
- d. illustrate exploded views