

**Directions**

Each statement is either true or false. Circle True for each statement that is true and False for each statement that is false.

1. Superglobals were introduced to the PHP scripting engine in version 4.1.  
**A. True**  
B. False
2. In PHP, sizeof() is an alias of count().  
**A. True**  
B. False
3. In PHP, compact() uses the zlib library to compress each value of an array.  
A. True  
**B. False**
4. Shockwave support is available in PHP3 using MING functions.  
A. True  
**B. False**
5. Individuals may open a 401(k) retirement account.  
A. True  
**B. False**

**Directions**

Circle the best answer that either correctly completes each statement or correctly answers the questions.

6. The maximum amount that can be contributed to a child's education savings account each year is  
**A. \$2000**  
B. \$3000  
C. \$4000  
D. \$5000
7. The FICA tax rate for a self-employed individual is  
A. 6 percent  
B. 8.76 percent  
C. 15 percent  
**D. 15.3 percent**
8. The responsible party for the income taxes on the lump-sum proceeds received by an individual from a life insurance policy is  
A. The individual recipient  
B. The deceased person's estate  
**C. No income tax is payable on the death proceeds**

- D. The deceased person's estate and the recipient share the tax liability equally
9. Which of the following network commands, following the command **router ospf 1**, tells a Cisco router to start using OSPF on interfaces whose IP addresses are 10.1.1.1, 10.1.100.1, and 10.1.120.1?
- A. network 10.0.0.1 0.255.255.0
  - B. network 10.0.0.0 255.0.0.0
  - C. network 10.0.0.0 0.255.255.255 area 0**
  - D. network 10.0.0.1 255.0.0.255 area 0
10. Which of the following are the port states when Spanning Tree Protocol has completed convergence on Cisco 2950 series switches?
- A. Blocking and Forwarding**
  - B. Disabled and Discarding
  - C. Learning and Listening
  - D. Blocking and Disabled
  - E. Forwarding and Learning

### Directions

Complete each sentence with the missing numerical answer.

11. The dotted-decimal subnet for 69.56.221.212/28 is \_\_\_\_\_.  
**255.255.255.240**
12. The maximum number of hosts for the network 69.56.221.212/28 is \_\_\_\_\_.  
**14**
13. A MAC address is \_\_\_\_\_ bits long.  
**48**
14. The varchar column type length in MySQL is limited to \_\_\_\_\_ characters.  
**255**
15. The default execution time limit for PHP scripts is \_\_\_\_\_ seconds.  
**30**

### Directions.

Write the answer to each question in the space below each question.

16. What debug option in a Cisco router shows Inverse ARP messages?  
**debug frame-relay events**
17. What show command tells you when a PVC became active on a Cisco router?  
**show frame-relay pvc**
18. Name two commands that affect used as the command prompt in Cisco IOS?

**hostname and prompt**

19. Which routing protocols can be enabled using setup in a Cisco router?

**RIP and IGRP**

20. Name the three parts of an IP address.

**network, subnet, and host**

**Directions.**

The first column is a list of operations in PHP. Match each operation with the correct output assuming each operation is free of errors. Options may only be used once.

**Operation**

- \_\_\_ 21. echo substr('abcdef', 0, -1);
- \_\_\_ 22. echo substr('abcdef', 1);
- \_\_\_ 23. echo substr('abcdef', 2, -1);
- \_\_\_ 24. echo substr('abcdef', -3, -1);
- \_\_\_ 25. echo substr('abcdef', -1, 1);

**Output**

- a. a
- b. abcde
- c. bcdef
- d. cde
- e. de
- f. f

- 21. b
- 22. c
- 23. d
- 24. e
- 25. f