

## Section 23 – Web Hosting

### Questions

Please read the following questions carefully and try to answer them. You can find the correct answers, with an explanation where necessary, in the Answers.pdf file located in the same folder

1. Most web developers and website administrators choose Linux to host their websites. Why?
  - a. Because Linux proves to be more secure and reliable
  - b. Because some web languages like PHP and Python work only on Linux
  - c. Because it is the only system that understands HTTP 1.1
  - d. Because it is the only platform on which you can develop Web 2.0 applications
2. The HTTP method that is used to fetch HTML content of a website is called:
  - a. GET
  - b. POST
  - c. PUT
  - d. DELETE
3. CGI is still used to serve dynamic content, but it has the following shortcoming:
  - a. It does not support Perl
  - b. The webserver has to create a separate process for each request that uses the script
  - c. It does not work except on Linux
  - d. None of the above
4. FastCGI is better in that it lets the script launch once and serve multiple requests at the same time
  - a. True
  - b. False
5. What is meant by horizontal scaling of web servers?
  - a. Increasing machine resources like CPU and memory
  - b. Increasing the network bandwidth
  - c. Configuring a number of machines to serve the web application and have a load balancer control them
  - d. None of the above
6. Load balancing can be achieved by DNS
  - a. True
  - b. False
7. After making some changes to the httpd.conf file, you may want to check for the presense of any syntax errors before attempting to restart the Apache server. The syntax of the command is:
  - a. httpd -M
  - b. httpd -t
  - c. httpd -a

- d. `httpd --check`
- 8. You cannot host more than one website on the same machine
  - a. True
  - b. False
- 9. In IP-based virtual host, you need to uncomment the line `NameVirtualHost *:80`
  - a. True
  - b. False
- 10. How can you add a second IP address to the machine? (choose all that apply)
  - a. Add a second network interface
  - b. Add an IP alias
  - c. Just add another `IPADDR` setting to the `ifcfg-eth0` configuration file
  - d. You cannot add a second IP address to the machine
- 11. HTTPS is used to provide (choose all that apply):
  - a. Traffic encryption between the server and the client browser
  - b. Identity verification through certificates
  - c. Faster performance
  - d. Caching
- 12. You need the following packages to be installed on the machine to able to use HTTPS:
  - a. `telnet-server`
  - b. `mod_ssl`
  - c. `PHP`
  - d. `Openssl`
- 13. You have to sign the certificate that you issue in order to able to use it even if in a closed environment
  - a. True
  - b. False