

1. Which of the following is the Web's application layer protocol?
 - A. TCP
 - B. UDP
 - C. HTTP
 - D. DNS
 - E. None of the others

2. Study the following Python code snippet.

```
...  
serverSocket.bind('', 8080)  
connectionSocket, clientAddr = serverSocket.accept()  
...
```

Suppose no exception is raised when the above code snippet is executed, which port number is `connectionSocket` bound to?

- A. TCP port 8080
 - B. UDP port 8080
 - C. A random port number assigned by server's operation system
 - D. It depends on the client's port that's making the connection.
 - E. None of the others
3. In a _____ connection, one TCP connection is made for each HTTP request.
 - A. persistent
 - B. non-persistent
 - C. conditional
 - D. stateful
 - E. None of the others
4. A Web server supports both HTTP/1.0 and HTTP/1.1. So far 120 clients have downloaded a web page from the server, which contains 1 HTML file and 3 images. Half of the clients run HTTP/1.0 and the other half run HTTP/1.1.
How many sockets has the Web server ever created?
 - A. 120
 - B. 121
 - C. 300
 - D. 301
 - E. None of the others

5. Study the following excerpt of the resource records of NUS's network (TTL field is skipped):

Name	Type	Value
comp.nus.edu.sg	NS	ns1.comp.nus.edu.sg
comp.nus.edu.sg	NS	ns1.nus.edu.sg
comp.nus.edu.sg	MX	postfix0.comp.nus.edu.sg
ns1.comp.nus.edu.sg	A	137.132.90.2
postfix0.comp.nus.edu.sg	A	192.168.21.67
stu.comp.nus.edu.sg	CNAME	stu1.comp.nus.edu.sg
stu1.comp.nus.edu.sg	A	192.168.49.55
ivle.nus.edu.sg	A	137.132.10.10

If you send an email to Soc.cat@comp.nus.edu.sg, to which IP address will the email be delivered?

- A. 192.168.21.67
- B. 192.168.49.55
- C. 137.132.90.2
- D. 137.132.10.10
- E. None of the others