Circle the most accurate/best item in each of the following questions/statements. For example, if the statement is to describe the population in the US, then among the following given items for this statement, a) 1 person, b) one thousand persons, c) one billion persons, and d) one trillion persons, you should circle item c), since it is the most accurate among the four given items (even though it may be not exactly correct.)

1. The lengths of the packets on the Internet are no more than
   a) 15 bytes
   b) 1,500 bytes
   c) 150,000 bytes
   d) 1,500,000 bytes

2. The relationship between the Internet and the World Wide Web is that
   a) the Internet is an application over the WWW
   b) the WWW is an application over the Internet
   c) they are two separate systems implemented as computer networks linked worldwide
   d) they are the same thing with two different names
   e) the Internet is an advanced version of the WWW

3. An IP address takes
   a) 1 byte
   b) 2 bytes
   c) 3 bytes
   d) 4 bytes
   e) 5 bytes

4. E-mails were developed
   a) before the Internet was started
   b) at the same time as the Internet
   c) soon after the Internet was started
   d) five or more years after the Internet was started
   e) after the year 1995

5. Gopher, used over the Internet, is
   a) a protocol for executing programs remotely
   b) a search engine for documents on the Internet
   c) a program that tells how packets travel over the Internet
   d) an old distributed document retrieval system for hierarchically structured files
   e) a new protocol to help the Internet behave more intelligently

6. TCP/IP can best be described as
   a) an Internet service to determine IP addresses
   b) an organization dedicated to keeping the Internet a safe place for kids
   c) a set of the standard Internet protocols
   d) a Microsoft initiative to improve internet access
   e) the international organization that oversees the Internet operations

7. SMTP is an e-mail protocol which
   a) is a very efficient protocol and is binary-based, thus it allows most any kinds of data files to be send directly as attachments easily
   b) is text- and ASCII-based, thus one can not send anything other than textual messages via e-mails
   c) is binary-based, thus it needs to use MIME to send any e-mail
   d) is text- and ASCII-based, but when using MIME, various files of different data types can still be attached, and sent and received properly
   e) is for downloading emails from a server to a client
8. MIME uses Base64 encoding, which
   a) is a very efficient compression method, thus it
      typically converts binary files into files shorter
      than their original sizes, enabling faster
      transmissions
   b) converts binary files into shorter ASCII files
   c) converts binary files into longer ASCII files
   d) converts binary files into approximately
      equal-sized ASCII files
   e) none of the above is true

9. Asymmetric cryptography is used over the
   Internet for secure communication. In this
   approach
   a) a server uses its private key to decrypt
      incoming messages
   b) a server uses its private key to encrypt
      outgoing messages
   c) a client uses a server’s private key to encrypt
      its outgoing messages to the server
   d) a client users a server’s private key to decrypt
      the incoming messages from the server
   e) a server uses it’s public key to encrypt its
      outgoing messages.

10. A “cookie” on the Internet is
    a) an electronic coupon offered by commercial
       sellers to attract businesses
    b) a bonus offered by commercial sellers to its
       loyal customers
    c) a small program placed by a web server on a
        client to facilitate processing user requests
    d) a text file placed by a web server on a client to
        facilitate processing user requests
    e) a disguised virus