

SF Quiz #4

Due No due date **Points** 45 **Questions** 17
Available after Nov 21 at 3pm **Time Limit** 25 Minutes

Instructions

Answer the quiz according to what is needed, this quiz is composed of multiple choice with multiple answers, fill in the blanks and Essay question. Take note that the quiz is time limited so make the most of your time, you cannot return to the previous questions, therefore make sure of your answers. If you cannot submit the quiz on time, the system will automatically submit your scores. Good luck!!!

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	24 minutes	31.5 out of 45

❗ Correct answers are hidden.

Score for this quiz: **31.5** out of 45

Submitted Nov 21 at 3:25pm

This attempt took 24 minutes.

Question 1

12 / 12 pts

In order to be issued an SSL Certificate, you need to purchase one from a web service provider and then go through a process that entails the following:

Purchasing SSL

Place an order for an SS ▾

**Private Key and CSR
Generation**

Prior to applying/enrollin ▾

Private Key and CSR Generation	Digital IDs make use of e ✓
Private Key and CSR Generation	The Private Key will rem ✓
Private Key and CSR Generation	hosting server will gener ✓
Enrollment	Generated a minimum o ✓
Enrollment	This process is done froi ✓
Enrollment	The contact details that ✓
Verification Process & Certificate Issue	After submitting the requ ✓
Verification Process & Certificate Issue	This process is much fas ✓
Verification Process & Certificate Issue	Ffter the CA is satisfied ✓
Verification Process & Certificate Issue	After you have done the ✓

Partial

Question 2**6 / 7 pts**

Identify the following prime numbers. choose all that apply.

☒ 751

☒ 347☒ 491☐ 720☐ 770☒ 421☒ 491☐ 910☐ 330☐ 6☒ 19**Question 3****1 / 1 pts**

Process of converting electronic data into another form, called cipher text, which cannot be easily understood by anyone except the authorized parties. This assures data security.

☒ Encryption☐ Hashing☐ Decryption☐ Digital Certificate

Incorrect

Question 4**0 / 1 pts**

Type of cryptography also known as public-key cryptography. It uses public and private keys to encrypt and decrypt data.

Answer in lowercase only. No shortcuts, No abbreviation, No acronyms.

Incorrect

Question 5**0 / 1 pts**

These are whole numbers greater than 1 whose only factors are 1 and itself. A factor is a whole number that can be divided evenly into another number.

Answer in lowercase only. No shortcuts, No abbreviation, No acronyms.

Incorrect

Question 6**0 / 1 pts**

What type of encryption that the sender and receiver use different keys (aka two-key, and public-key)?

Answer in lowercase only. No shortcuts, No abbreviation, No acronyms

Question 7**1 / 1 pts**

It is the process of attempting to discover the plain text or the key of an encrypted file.

- ☒ cryptanalysis
- ☐ steganography
- ☐ imaging
- ☐ acquisition

Incorrect**Question 8****0 / 1 pts**

Basin on the figure below, this is an example of a _____?

Answer in lowercase only. No shortcuts, No abbreviation, No acronyms.

```

Data:
Version: 3 (0x2)
Serial Number: 1 (0x1)
Signature Algorithm: md5WithRSAEncryption
Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc,
      OU=Certification Services Division,
      CN=Thawte Server CA/Email=server-certs@thawte.com
Validity
Not Before: Aug  1 00:00:00 1996 GMT
Not After : Dec 31 23:59:59 2020 GMT
Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc,
      OU=Certification Services Division,
      CN=Thawte Server CA/Email=server-certs@thawte.com
Subject Public Key Info:
  Public Key Algorithm: rsaEncryption
  RSA Public Key: (1024 bit)
    Modulus (1024 bit):
      00:d3:a4:50:6e:c0:ff:56:6b:e6:cf:5d:b6:ea:0c:
      68:75:47:a2:aa:c2:da:84:25:fc:a8:f4:47:51:da:
      85:b5:20:74:94:86:1e:0f:75:c9:e9:08:61:f5:06:
      6d:30:6e:15:19:02:e9:52:c0:62:db:4d:99:9e:e2:
      6a:0c:44:38:cd:fe:be:c3:64:09:70:c5:fe:b1:6b:
      29:b6:2f:49:c0:3b:d4:27:04:25:10:97:2f:e7:90:
      6d:c0:28:42:99:d7:4c:43:de:c3:f5:21:6d:54:9f:
      5d:c3:58:e1:c0:e4:d9:5b:b0:b8:dc:b4:7b:df:36:
      3a:c2:b5:66:22:12:d6:87:0d
    Exponent: 65537 (0x10001)
  X509v3 extensions:
    X509v3 Basic Constraints: critical
    CA:TRUE
Signature Algorithm: md5WithRSAEncryption
07:fa:4c:69:5c:fb:95:cc:46:ee:85:83:4d:21:30:8e:ca:d9:
a0:6f:49:1a:e6:da:51:e3:60:70:6c:04:61:11:a1:1a:c0:40:
3e:59:43:7d:4f:95:3d:a1:8b:b7:0b:62:98:7a:75:8a:dd:88:
4e:4e:9e:40:db:a8:cc:32:74:b9:6f:0d:c6:e3:b3:44:0b:d9:
8a:6f:9a:29:9b:99:18:28:3b:d1:e3:40:28:9a:5a:3c:d5:b5:
e7:20:1b:8b:ca:a4:ab:8d:e9:51:d9:e2:4c:2c:59:a9:da:b9:
b2:75:1b:f6:42:f2:cf:c7:f2:18:f9:89:bc:a3:ff:8a:23:2e:
70:47

```

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Question 9

1 / 1 pts

A type of cryptography that uses public and private keys to encrypt and decrypt data. The keys are simply large numbers that have been paired together but are not identical. One key in the pair can be shared with everyone; it is called the public key, while the other key serves as the private key used to decipher the encrypted data.

- ☒ asymmetric cipher
- ☐ advance encryption standard

- ☐ symmetric cipher
- ☐ data encryption standard

Question 10**1 / 1 pts**

It is the assurance that someone cannot deny the validity of something. It is also a legal concept that is widely used in information security and refers to a service, which provides proof of the origin of data and the integrity of the data.

- ☐ integrity
- ☐ hashing
- ☒ non-repudiation
- ☐ authenticity

Question 11**1 / 1 pts**

It is a widely accepted type of digital certificated by international public key infrastructure standards to verify that a public key belongs to the user, computer, or service identity contained within the certificate.

Answer in lowercase only. No shortcuts, No abbreviation, No acronyms

Question 12**1 / 1 pts**

It is a cryptographic algorithm that can be used to protect electronic data, its main strength rests in the option for various key lengths, a 128-bit, 192-bit or 256-bit key, the algorithm is a symmetric block cipher that can encrypt (encipher) and decrypt (decipher) information.

- ☐ symmetric cipher
- ☐ asymmetric cipher
- ☐ data encryption standard
- ☒ advance encryption standard

Partial**Question 13****2.5 / 5 pts**

Identify the different types of Digital Certificates by Matching Column A with Column B

Server CertificatesAllows visitors to exchan **▼****Server Certificates**are used by corporate er **▼****Personal Certificates**Prove authorship and rel **▼****Personal Certificates**These are perfect for bu: **▼****Corporate Certificates**Client Certificates or Dig **▼**

Corporate Certificates	These are perfect for bu: ▼
Developers Certificates	Prove authorship and rel ▼
Developers Certificates	Used to sign software or ▼

Partial

Question 14

3 / 5 pts

Identify the 2 different types of SSL Certificates by Matching Column A with Column.

Basic SSL certificate	It allows you to secure o ▼
Basic SSL certificate	This certificate is quite w ▼
Basic SSL certificate	If you want to also anoth ▼
Wildcard SSL certificate	allows you to secure you ▼
Wildcard SSL certificate	This is best suited for lar ▼

Question 15**2 / 2 pts**

Which of the following are the basic SSL Certificates?

Choose all that applies.

- ☐ Wildcard Server
- ☐ SSL 256
- ☐ Positive SSL Wildcard
- ☐ SSL 128
- ☒ SSL123
- ☒ Positive SSL

Incorrect**Question 16****0 / 2 pts**

What are the 2 things does SSL Certificates do?

- ☒ Authenticate your website's identity.
- ☒ Encrypt the information sent from your website visitor's browser to your website
- ☒ encrypting communication between the website and its users.
- ☒ used when a website wants to accept sensitive information like passwords, credit card details and other sensitive information.



protects your customer's personal data including passwords, credit cards and identity information.

Incorrect

Question 17

0 / 2 pts

What are the 3 Popular Forms of Encryption? answer in lowercase only

advanced encryptic

data encryption stal

rivest-shamir-aldeir

Answer 1:

advanced encryption standard

Answer 2:

data encryption standard

Answer 3:

rivest-shamir-aldeman

Quiz Score: **31.5** out of 45