### 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!!!

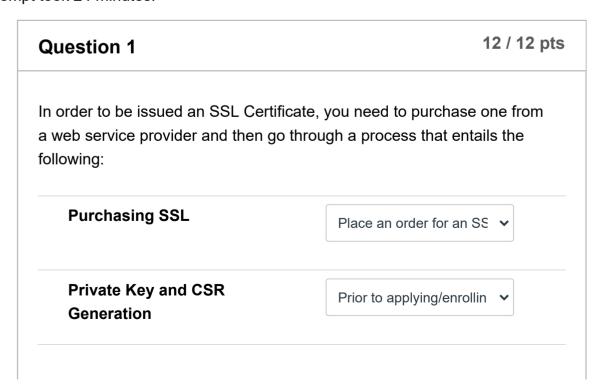
### **Attempt History**

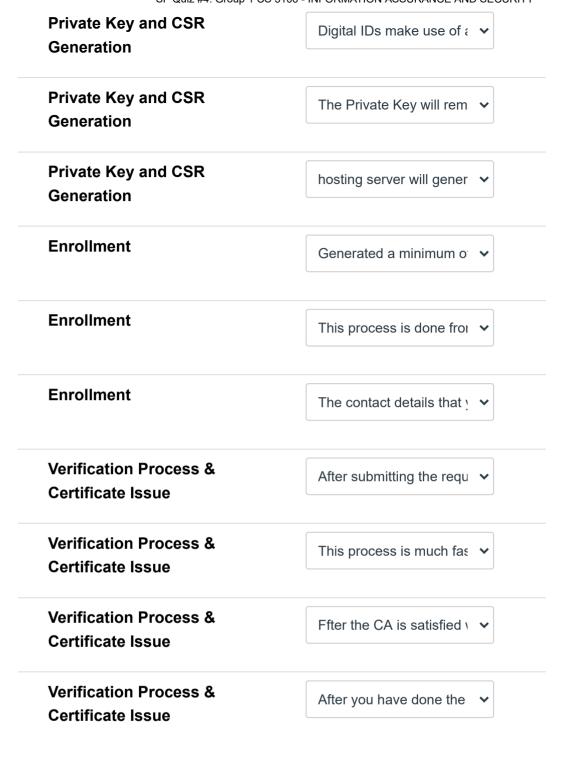
	Attempt	Time	Score
LATEST	Attempt 1	24 minutes	31.5 out of 45

### (!) Correct answers are hidden.

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

Submitted Nov 21 at 3:25pm This attempt took 24 minutes.





### Partial Question 2 Identify the following prime numbers. choose all that apply.

<b>347</b>	
✓ 491	
720	
770	
☑ 421	
✓ 491	
910	
330	
<u> </u>	
<b>1</b> 9	

Question 3	1 / 1 pts
Process of converting electronic data into another form, called which cannot be easily understood by anyone except the authoraties. This assures data security.	•
Encryption	
Hashing	
Decryption	
O 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.

asymmetric encryption

### 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.

prime

### 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

asymmetric encryption

Question 7	1 / 1 pts
It is the process of attempting to discover the plain text or the keencrypted file.	ey of an
cryptanalysis	
steganography	
imaging	
acquisition	

m	$\alpha$	$\sim$	100 100	0	$\alpha_1$	þ
ш	No.	w	11	TO:	the l	ķ.

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 ac	

```
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:c8: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.h5.20.74.94.86.le.0f.75.cq.eq.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: e3: 64: 09: 70: c5: fe: b1: 6b:
                 29:b6:2f:49:c8:3b: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:
    a6:6f:49:la:e6:da:51:e3:60:70:6c:84:61:11:a1:la:c8:48:
    3e: 59: 43: 7d: 4f: 95: 3d: al: 8b: b7: 0b: 62: 98: 7a: 75: 8a: dd: 88:
    4e: 4e: 9e: 40: db: a8: cc: 3Z: 74: b9: 6f: Od: c6: e3: b3: 44: Ob: 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:ef:c7:f2:18:f9:89:bc:a3:ff:8a:23:2e:
    70:47
   rivest-shamir-adleman
```

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

symme	tric cipher		
O data en	cryption standard	i	

# 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

### Question 11 1 / 1 pts

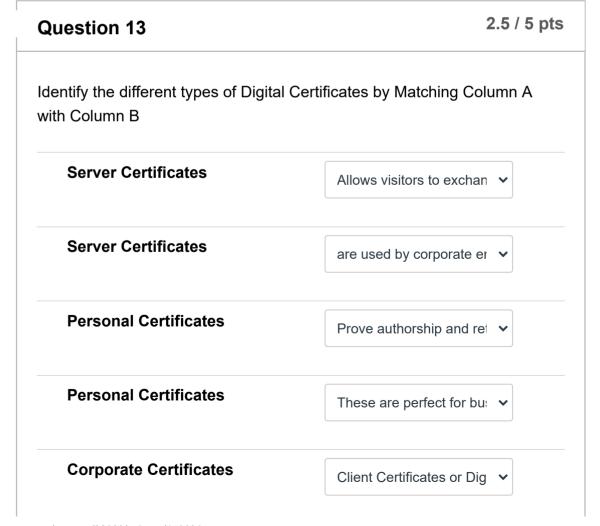
It is a widely accepted type of digital certificated by international public key infrastructure standards to verify that a public key belongs to the user, computer, or service identity contained within the certificate.

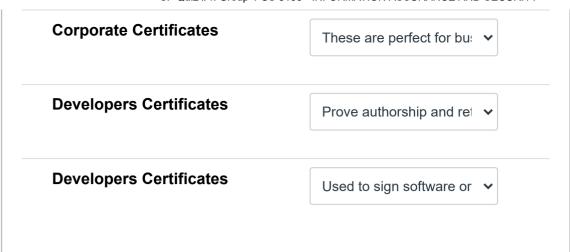
Answer in lowercase only. No shortcuts, No abbreviation, No acronyms

x.509

# 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**





### **Partial**

### 3 / 5 pts **Question 14** 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	your
encrypting communication between the website and its users.	
used when a website wants to accept sensitive information like pas credit card details and other sensitive information.	swords,

**✓** 

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 Encryptic	on? answer in lowercase only
advanced encryptic	
data encryption stal	
rivest-shamir-aldem	
Answer 1:	
advanced encryption standard	
Answer 2:	
data encryption standard	
Answer 3:	
rivest-shamir-aldeman	

Quiz Score: 31.5 out of 45