

# Cryptography Interview Questions And Answers Guide.



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## Cryptography Job Interview Preparation Guide.

### Question # 1

What is cryptography?

#### Answer:-

The science and art of manipulating messages in order to make them secure is called cryptography.....

types are

symmetric key cryptography and asymmetric key cryptography

1) symmetric key cryptography

same key is used for encryption and decryption

eg :DES IDEA AES

2) Asymmetric key:

public key is used for both encryption and decryption

eg:RSA Difere Hellman

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### Question # 2

How to Find the XP Lost Password?

#### Answer:-

Forgot XP Password

The other day I got a call from a friend who had managed to remember his administrator password to his Windows XP computer.

My heart sank as I told him it is almost impossible to access hi PC now as this was the only account on the machine, and with no password Windows XP was not going to let him in!

Forgotten XP Password...

As I stared at my mates computer and asked if he had ever made a Password Reset Disc I already knew what he was going to say...

This situation reminded me of asking many friends for their latest data backup CD/DVD when their computer crashed and need a rebuild - they NEVER have one!!!

...well a quick check on Google and I found a great service that could just help my mate out.

This site provides a tool to recover lost Windows XP passwords - YEAH!

It works very prefect to regain your password .Also use to bootable CD/DVD or usb

There is a free service as well as a priority service that will retrieve your passwords within minutes. The fee for the priority service is very cheap, and is really just to cover server costs.

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### Question # 3

Pipe A can fill in 20 minutes and Pipe B in 30 mins and Pipe C can empty the same in 40 mins.If all of them work together, find the time taken to fill the tank?

#### Answer:-

a fill -  $1/20$  per minute

b fill -  $1/30$  per minute

c can empty -  $1/40$  per minute

Suppose this take x minute

$1 \times + 1 \times - 1 \times$



--- -- ---- =1  
20 30 40  
Solve this  $x=17$ (approximately)

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### Question # 4

$(1/10)18 - (1/10)20 = ?$

#### Answer:-

If it's the Same Question:

Step 1.  $(0.1)/18-(0.1)/20$

Step 2.  $(0.1)((1/18)-(1/20))$

Step 3.  $0.1 (10-9)/180$  -----> LCM of 18 & 20 = 180

Step 4.  $0.1/180$

Step 5.  $1/1800$  is the Answer

Approx = 0.000557

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### Question # 5

Can we do the project in ENCRYPTION AND DECRYPTION as a operating system project? If yes how can we use the concepts?

#### Answer:-

Yes we can. All the information will be stored in encrypted form in memory. During fetching, it must be first decrypted by operating system and then can be read.

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### Question # 6

What is tamper-resistant hardware?

#### Answer:-

Ensuring that various cryptographic keys are provided by their intended users, and only for their intended purposes, temper resistant hardware is introduced.

An example temper resistant device is your "SMART CARD".

You have to physically possess the device and also have to possess the PIN or the password to use it.

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### Question # 7

What are biometric techniques?

#### Answer:-

those are technics like

face detection

Iris recognition

fingerprint recognition

palm vien recognition.

All these can be used for Authentication

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### Question # 8

What is quantum cryptography?

#### Answer:-

The science of cryptography has existed in one form or another for centuries.

Cryptography is the art of encoding and decoding messages for transmission between two

parties, while keeping the message secret from unwanted viewers. There are many common

implementations of cryptography in use today such as the HTTPS protocol on the Internet. All

forms of data encryption and cryptography require a key in some form or another for use in

encoding and decoding data. There are even some modern

methods of encryption that have been

mathematically proven to be unbreakable if they are implemented properly.

The inherent problem with any form of cryptography is in the method of key distribution.

To date, all forms of message encryption have possessed this major vulnerability. As such, it

makes no difference whether a secret message is sent via homing pigeon, a radio transmission, a

penciled message on a notepad, or whispering to another,



there is no physical way to get a cryptographic key to another without running the risk of the key being intercepted.

To solve this dilemma, a radical solution has been proposed called quantum cryptography. This method essentially uses photon light particles to send a key to an intended recipient. The difference with this method of key distribution is that it implements quantum mechanic's uncertainty principle as a means to guarantee the privacy of a key during distribution. Practically, quantum cryptography has the ability to afford complete privacy during the entire broadcast of an encoded message.

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### **Question # 9**

What is quantum computing?

**Answer:-**

In quantum computing, we use the concept of qubits, superposition and coherence. A normal bit can be in only two states - 0 and 1. But a qubit it can be in 0, 1, or in the superposition of 0 and 1.

Quantum computers, will be much much faster than traditional silicon based computers.

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### **Question # 10**

What is Clipper?

**Answer:-**

Clipper is a compiler that was well known at the time of 80's and early times of 90's. We can build DOS based applications (even large applications too) using clipper. There is no separate Database required to use with clipper. It itself is having capacity to maintain data in the form of tables and we can use it to write coding also.

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### **Question # 11**

What is Capstone?

**Answer:-**

It is known as "Corner Stone" It is the Jesus Christ.

He is the stone you builders rejected, which has become the capstone. Acts 4:11 (NIV)

History also refers this! B.C. & A.D. are cutting around HIM, showing HIM as the Capstone. There are plenty to tell....no End.

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## **Cryptography Most Popular Interview Topics.**

- 1 : [Cryptography General Frequently Asked Interview Questions and Answers Guide.](#)
- 2 : [Encryption Decryption Frequently Asked Interview Questions and Answers Guide.](#)
- 3 : [Digital Certificates Frequently Asked Interview Questions and Answers Guide.](#)
- 4 : [Ciphers Frequently Asked Interview Questions and Answers Guide.](#)
- 5 : [Cryptography Algorithm Frequently Asked Interview Questions and Answers Guide.](#)
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