**Handy View about Mobile Communications.. 25 Short Q's & A's..**

**with a YouTube Video**

**1) What is Mobile Telecommunications?**

**Telecommunications**, also known as **telecom**, is the exchange of information over significant distances by electronic means and refers to all types of voice, data and video transmission.

**2) How does mobile telephony work?**

In the most basic form, a **cell phone** is essentially a two-way radio, consisting of a radio transmitter and a radio receiver. When you chat with your friend on your **cell phone**, your **phone** converts your voice into an electrical signal, which is then transmitted via radio waves to the nearest **cell** tower.

**3) When did phones start having Internet?**

Motorola, on 3 April 1973 **were** first company to mass produce the first handheld mobile **phone**. These early mobile **phones** are often referred to as 0G mobile **phones**, or Zero Generation mobile **phones**. Most **phones** today rely on 3G or 4G mobile technology.

**4) Who invented mobile Internet?**

In 2001 Ericsson **created** the T68 smart phone with the first color display and simple **web** browser. Early smart phone with **web** capability continued with the PalmOne Treo, BlackBerry 6210 & 7210 in 2003.

**5) What is a mobile Internet connection?**

In simple terms, **Mobile Internet** is a smaller **Internet** scaled down to fit the dimensions of a web browser on a **mobile** phone. The **mobile** phone network is an example of a cellular network. A cellular network has a cluster of geographic locations together known as a 'cell' which **connect** to the **Internet** through satellites.

**6) How does mobile internet work**?

**Cell** phones have an in-built antenna which is used to send packets of digital information back and forth with **cell**-**phone** towers via radio waves. **Mobile** phones connect to a **cell** tower in the area, and instead of connecting to another **phone** it connects to the **Internet** and can fetch or retrieve data.

**7) How does a smart phone connect to a mobile network?**

**Cell** phones **are** called **cell** phones because the **network** they **connect** to **is** a system of cells, each **cell** defined by a tower at its center. These cells **are** then **connected** to the **network** by communication with satellites. Through this **network** information **is** passed to and from a wirelessly enabled device.

**8) How can we connect mobile Internet to computer**?

**USB Tethering**

It's easy to do. **Connect** the USB cable that shipped with your **phone** to your **computer**, then plug it into the **phone's** USB port. Next, on your Android device, open Settings > Network & **internet** > Hotspot & tethering. Tap the USB tethering option.

**9) How fast is mobile Internet?**

4G LTE vs. cable

Verizon 4G LTE wireless broadband is 10 times **faster** than 3G—able to handle download speeds between 5 and 12 Mbps (Megabits per second) and upload speeds between 2 and 5 Mbps, with peak download speeds approaching 50 Mbps. Cable speeds vary, but 4 to 12 Mbps are common.

**10) What is better LTE or 4g?**

**4G** is the fourth Generation Mobile Network Technology. **4G** will replace 3G in the future, **4G** provides a more reliable connection and higher speeds to people. **4G LTE** means fourth generation long term evolution. **LTE** is a kind of **4G** that provides fastest connection to mobile Internet experience-10 times **faster** than 3G.

**11) Is 4g different from LTE?**

While **4G LTE** is a major improvement over 3G speeds, it is technically not **4G**. However, most cellular carriers now advertise their networks as **4G LTE**, because it sounds the same as **4G** (or even better). In some cases, your phone may even display **4G LTE**-A (Long Term Evolution Advanced), which is even closer to proper **4G**.

**12) Is LTE better than 5g?**

“The main advantage that **5G** offers over 4G **LTE** is **faster** speeds — primarily because there will be more spectrum available for **5G**, and it uses more advanced radio technology,”

**13) Is LTE faster than WiFi?**

**WiFi** Is Usually **Faster than** 4G **LTE** Mobile Data.

**14) Why is cellular concept used in mobile telephony?**

**Cell** sites continuously transmit a control signal to all the **mobile** units within their **cell**. ... The key to **mobile telephony** is power level discrimination. All of the **cell** sites receive the **mobile** unit's response, but they all receive different power levels.

**15) What is cellular concept in mobile communication?**

In a **cellular network**, total area is subdivided into smaller areas called “cells”. Each **cell** can cover a limited number of **mobile** subscribers within its boundaries. Each **cell** can have a base station with a number of RF channels. ... Hence, the **cellular** systems are limited by Co-channel interference.

**16) What is role of mobile phone in our life?**

**Cell phones** are the perfect way to stay connected with others and provide the user with a sense of security. In the event of emergency, having a **cell phone** can allow help to reach you quickly and could possibly save **lives**. ... The importance of **cell phones** goes way beyond the ability to make or receive **phone** calls.

**17) What are the bad uses of mobile phones?**

**It can also lead to impaired vision and even arthritis down the line.**

* Stress: Having a cell phone will tempt your teen to spend all day talking or texting, instead of doing anything productive. ...
* Sleep Loss: ...
* Accidents: ...
* Increases Anxiety: ...
* Risk Of Cancer: ...
* Cyber Bullying.

**18) What are the main parts of a smart phone?**

**A smart phone comprises up of three main parts:**

* The sensor (which detects light)
* The lens (the component in which light comes through)
* The image processor.

**19) What is mobile communication in mobile computing?**

**Mobile Computing** is a technology that allows transmission of data, voice and video via a computer or any other wireless enabled device without having to be connected to a fixed physical link. The main concept involves − **Mobile communication**.

**20) What are the types of mobile communication?**

The **different types** of wireless **communication** mainly include, IR wireless **communication**, satellite **communication**, broadcast radio, Microwave radio, Bluetooth, ZigBee etc.

**21) What is Satellite Internet?**

**Satellite internet** is a wireless connection that involves 3 **satellite** dishes; one at the **internet** service providers hub, one in space and one attached to your property. In addition to the **satellite** dish you also need a modem and cables running to and from the dish to your modem.

**22) Is Satellite Internet as fast as cable?**

**Satellite internet** is significantly slower than **cable** service. It also has a greater latency interval on average. Download speeds are generally from one to 15 Mbps, with upload speeds of one or two Mbps.

**23) What is satellite mobile phone?**

A **satellite telephone**, **satellite phone** or satphone is a type of **mobile phone** that connects to other **phones** or the **telephone** network by radio through orbiting **satellites** instead of terrestrial cell sites, as cell phones do.

**24) Do Satellite phones have Internet?**

**Satellite Phones** and **Internet** Access

Many **satellite phones** offer data services but few offer **Internet** access and most **have** very limited bandwidth. ... Best of all it is the least expensive device to offer access to Iridium, the most reliable **satellite** network.

**25) Can cell phones communicate with satellites?**

They're able to **do** this (but **cell phones** cannot) because they send and receive radio signals from **satellites** that orbit high above the Earth's surface, unlike **cell phones**, which **communicate** with **mobile** 'network towers' that are built on the ground.

**26) How Satellite internet works?**

**Watch this video:**

<https://www.youtube.com/watch?v=QpO0FwN9Png>

**1) Mobile Satellite Internet Antenna**



**2) Mobile Satellite Internet Antenna**



**3) Satellite Internet Components**



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