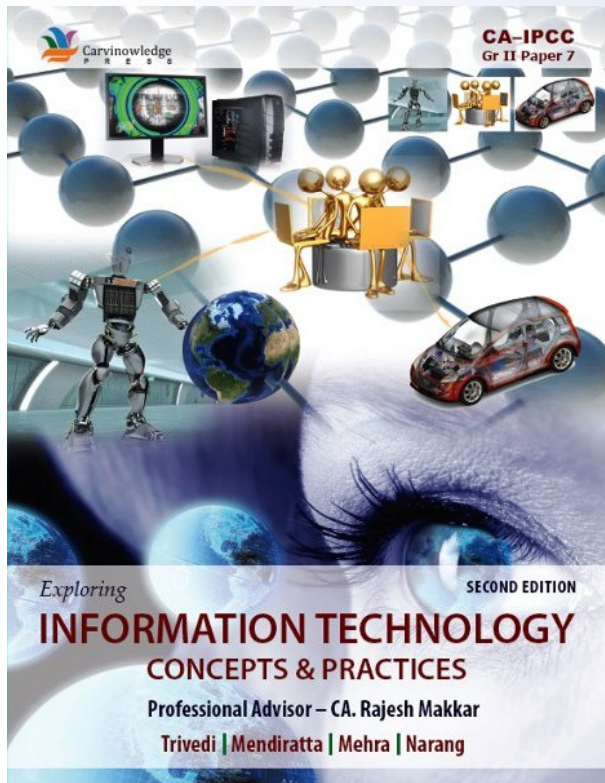


EXPLORING INFORMATION TECHNOLOGY



CA IPCC Paper: 7 A

IT Weightage: 50

Presented By: Navneet Mehra

Notes of Internet and Other Technologies



TOPIC REMOVED FROM SYLLABUS

Chapter: Internet and Other Technologies

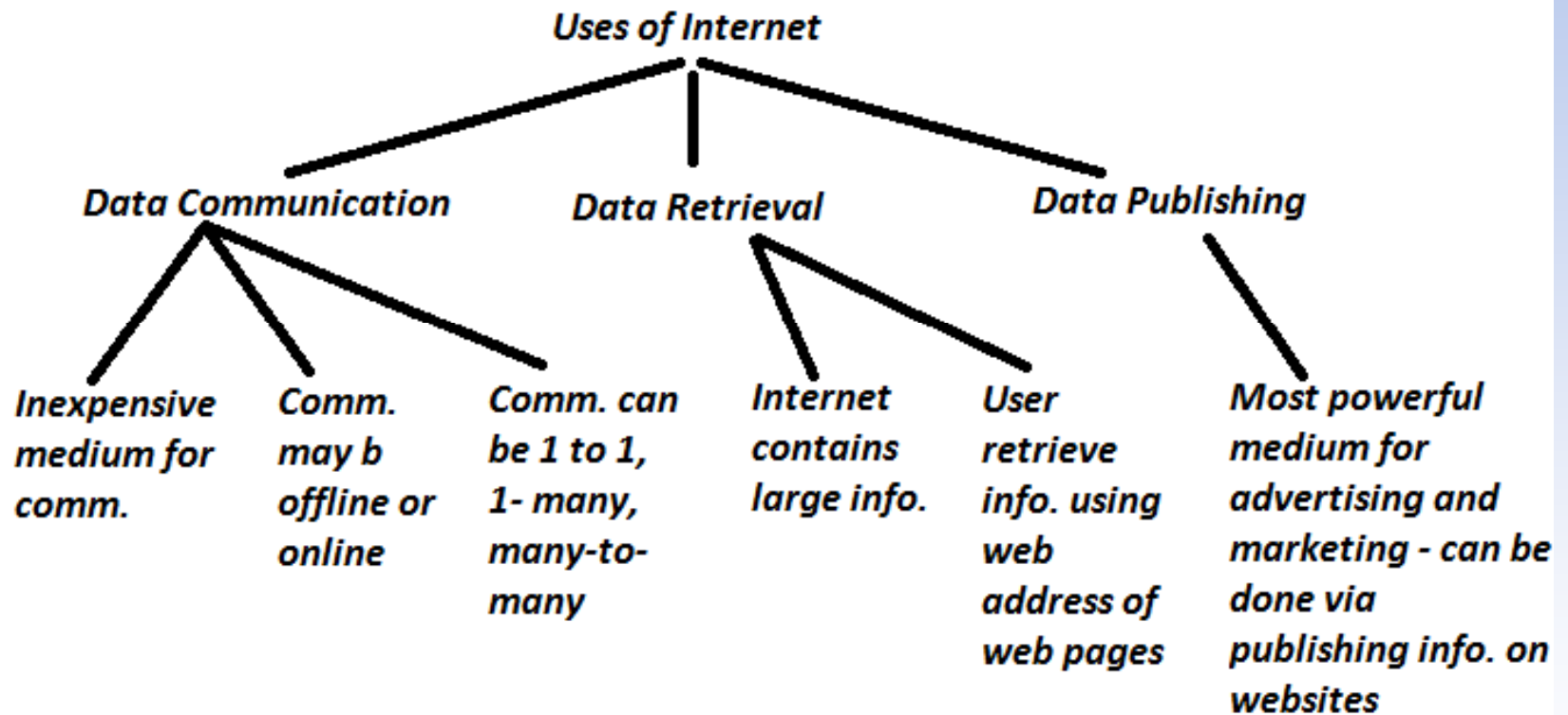
Topic Removed: Electronic Data Interchange (EDI)



What is Internet?

- Global network of computer but no central computer control
- Provide services like e-mail, information retrieval service, website access service etc.
- Internet access provided by ISP(Internet Service Provider) through telephone lines, satellite etc.

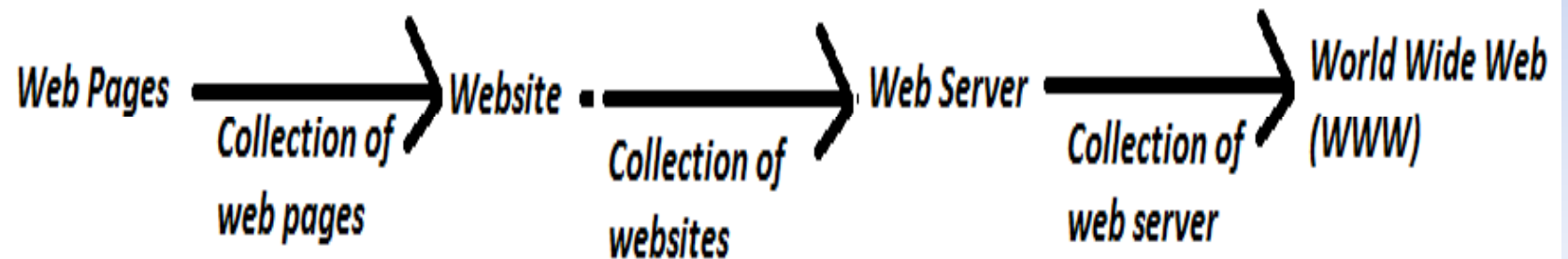
Application/Use Of Internet



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Internet Terms

***Important for Short Question Answer**



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***Important for Short Question Answer**

HTML (Hyper Text Markup Language)

**Webpages
created using
HTML**

**Specifies how
text will be
displayed on a
webpage**

**A link (which can
appear as a text or
picture) which
takes user to other
location is called
hyperlink**

Browser

**Application
software to
search/access
information on
www**

**Uses HTTP(Hyper
Text Transfer
Protocol)**

**Examples:
Internet
Explorer, Mozilla
Firefox, Apple
Safari**

URL (Uniform Resource Locator)

***V. Important for Short Question Answer**

- Provides address to web pages
- Is always unique
- Its format is:

Protocol/Internet address/web page address

Example:

http://www.facebook.com/navneetmehra

Here,

Protocol: http

Internet Address: www.facebook.com

Web page address: navneetmehra

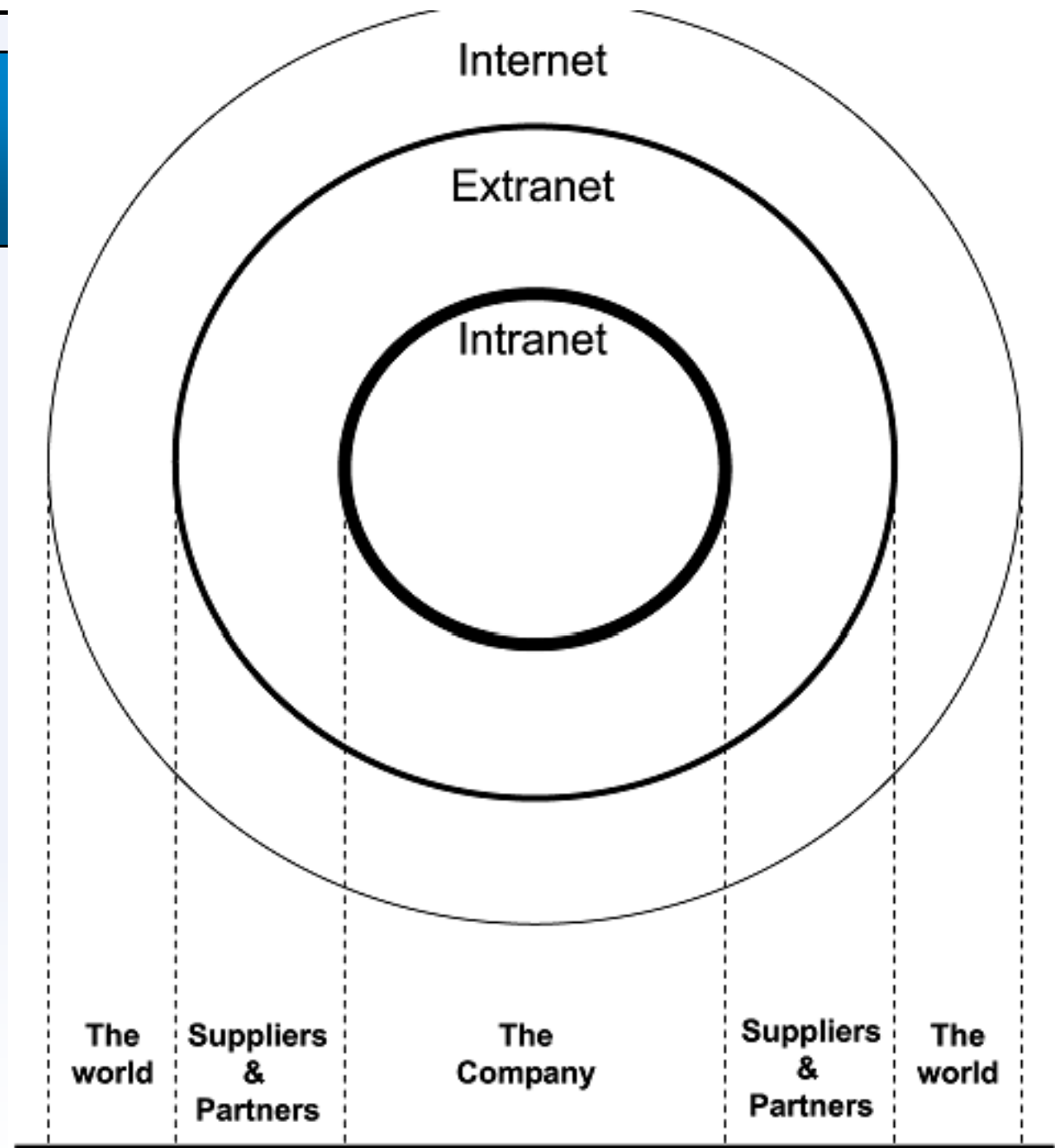


V.IMP

Internet/Intranet/Extranet (Very. Important)

	Internet	Intranets	Extranets
What is it?	The information superhighway	The use of Internet technology within a company or organization	A network that uses the Internet to link company intranets in order to enhance business-to-business relationships
Access	Open	Private	By agreement only
Users	Public	Organization members	Business partners
Information	General	Proprietary	Selective

Also check figure on next page



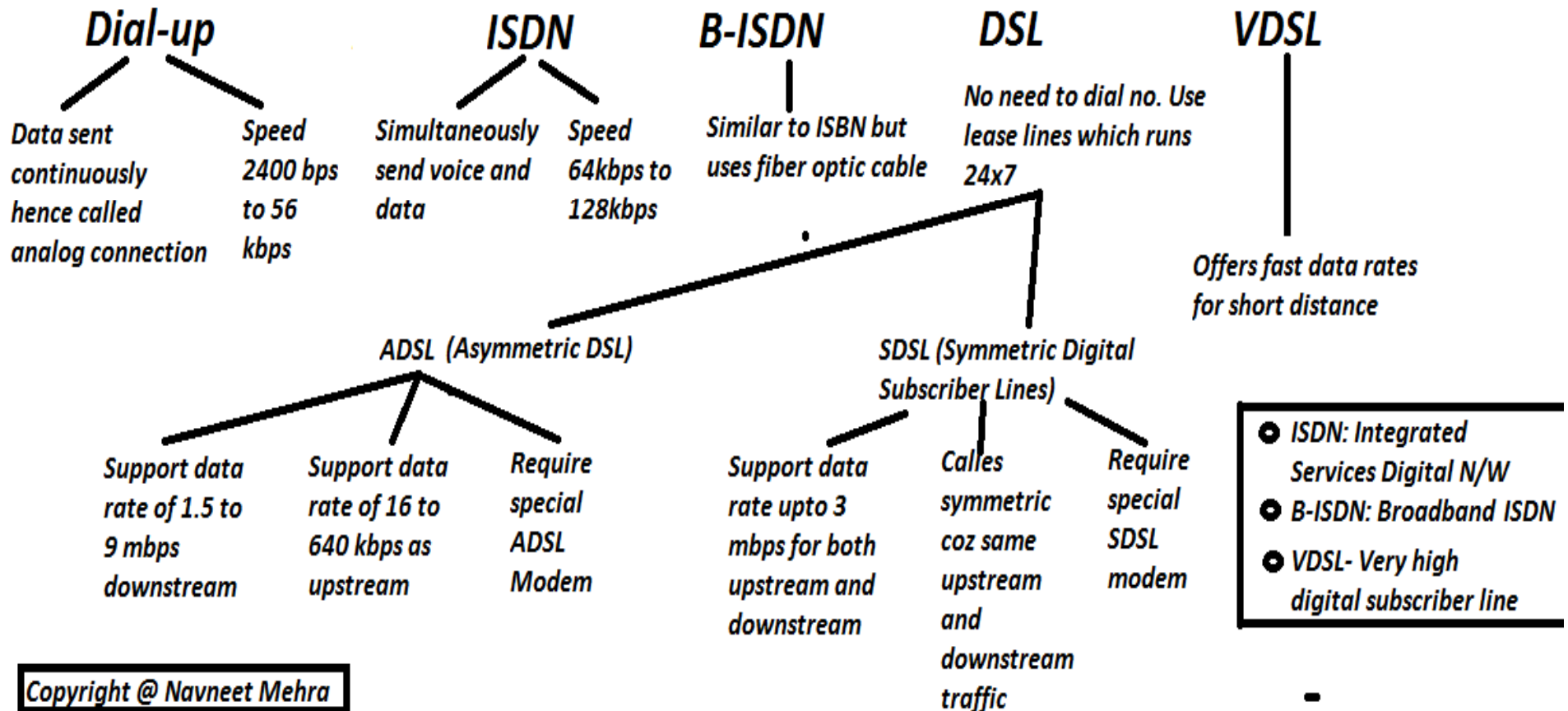
Source: Adapted from Chaffey *et al.* (2003, p. 26)

**V.V.IM
P.**

TYPES OF INTERNET CONNECTIONS

Most important

Types of Internet Connection



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Other Key Topics

Bluetooth

- Used for short-range wireless communication among mobile phones, laptops etc.
- Uses trans-receiver chip and radio standard and comm. Protocol.
- Covers 1-10 meter distance range.
- Data speed upto 1 mbps.

WiFi (Wireless Fidelity)

- Provide wireless network
- Used for devices such as laptops and high-end smartphones.
- When person is in connectivity area of Wifi access point (known as hotspot) he can connect to Internet

Other Key Topics

Web Casting

- It's a service on Internet like broadcasting in Radio and telecasting in TV.
- Two types: Push and Pull technology
- Pull(commonly used): Pull or request the data from server
- Push: In this, server transmit data to its users without request of that data.

Internet Protocol

- The Internet Protocol (IP) is the method or protocol by which data is sent from one computer to another on the Internet. Various Internet Protocols are FTP, HTTP, Telnet.

Other Key Topics - Protocols

FTP(File transfer protocol)

- Used to transfer files from a computer to a web server or vice versa
- Filezilla is popular software to use FTP service for publishing website on internet

HTTP (Hypertext Transfer Protocol)

- It is the set of rules for transferring files (text, images, audio, video etc.) on the World Wide Web.
- Provides a standard for Web browsers and servers to communicate.

Telnet

- In simple words Telnet is a network protocol used to provide a command line interface for communicating with a device.



V.IMP.

E-Commerce

- Process of doing business electronically
- Collection of Internet, www, email etc. to provide online commercial services

Benefits

- Reduced Cost (as many sellers so large competition)
- Reduced Time for business (all transaction done electronically)
- New market (business via internet opened doors to millions of people)
- Reduced inventories(no need to keep large stock as demand and supply electronically linked)
- Improved advertisement(on Internet adv. Is easy)



Types Of Ecommerce

B2B(Business to Business E-commerce)

Exchange of services, information and product from one business to another. Example Oracle India

B2C(Business to Consumer E-commerce)

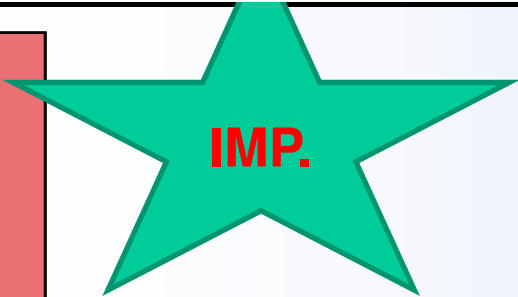
Exchange of services, information and product from business to consumer. Example Flipkart, Amazon

C2B(Consumer to Business E-commerce)

Customer contact directly with vendors by posting their project work. Example: Freelancer

C2C(Consumer to Consumer E-commerce)

Customer interact directly with each other via Internet. Example: Quikr



IMP.

EFT(Electronic Fund Transfer)

- EFT represents transfer of funds into account electronically.
- Fast means of money transfer.
- Security and access control important in EFT

ATM

Activated by inserting a debit card followed by pin code- banking done without assistance of teller-Withdraw cash, transfer funds, pay bills etc.

Point of Sales(POS)

Debit/credit card used for payment while shopping- Funds transferred from consumer to merchant account

Pre-authorized Transfer()

Refer to online banking/purchase where account holder authorize the bank or third party to deposit or withdraw money



IMP.

CRM (Customer Relationship Management)

- Includes methodologies, technologies and capabilities to manage a good relationship with customers.
- Its not only a software but philosophy and culture to serve customers in best possible manner.

CRM

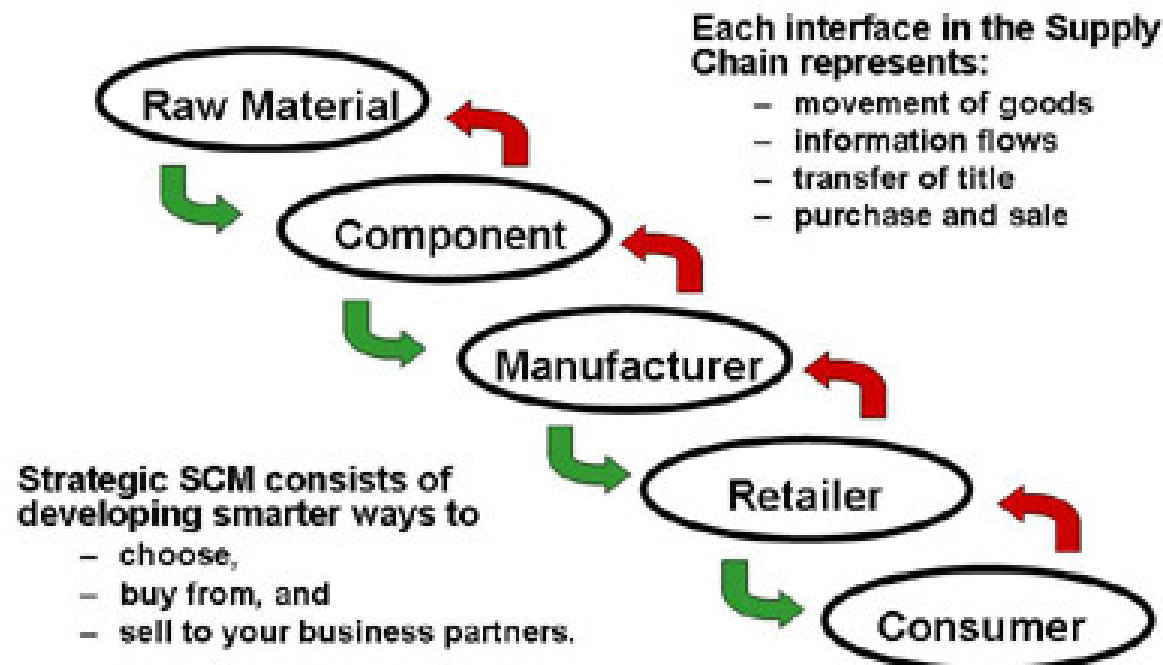


IMP.

SCM(Supply Chain Management)

Understand the Concept

Key SCM Concepts



Read the topic from the book as well for basic idea

Read from Book

Although all key topics have been covered but few topics mentioned below you should go through atleast once from the book :

- IP Address (for short answer question)
- Benefits of Intranet and Extranet
- Mobile Commerce
- Levels of SCM
- Bullwhip effect(for short answer question)
- Credit Card, Debit Card, Electronic payment Security and issues (Page no. 6.27)

ALL THE BEST





Questions ?

Clear your Doubts/Ask your Queries:

- Email: navneetmehra1989@gmail.com
- Facebook: www.facebook.com/navneetmehra