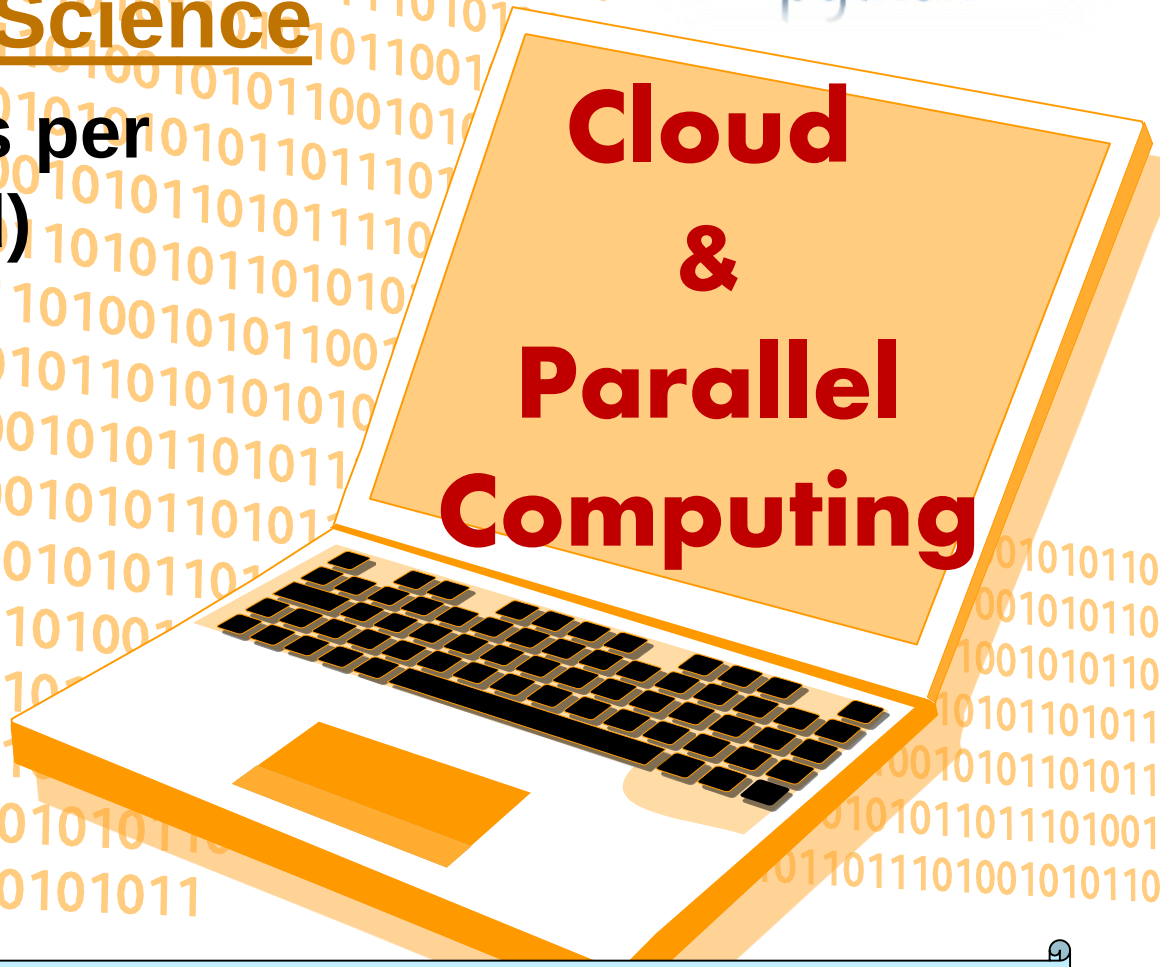
Chapter 4 :

Computer Science

Class XI (As per CBSE Board)



New Syllabus 2019-20

Visit : python.mykvs.in for regular updates

Cloud Computing

In Cloud Computing, Cloud refers to a Internet or Network or present at remote location.

Cloud Computing refers to remote access of hardware/software resources for access, configuration,manipulation.Cloud computing offers online data storage, infrastructure, and application. Applications such as customer relationship management (CRM) ,e-mail, web conferencing, execute on cloud. It can work on public and private networks, i.e., WAN, LAN or VPN.

Cloud Computing

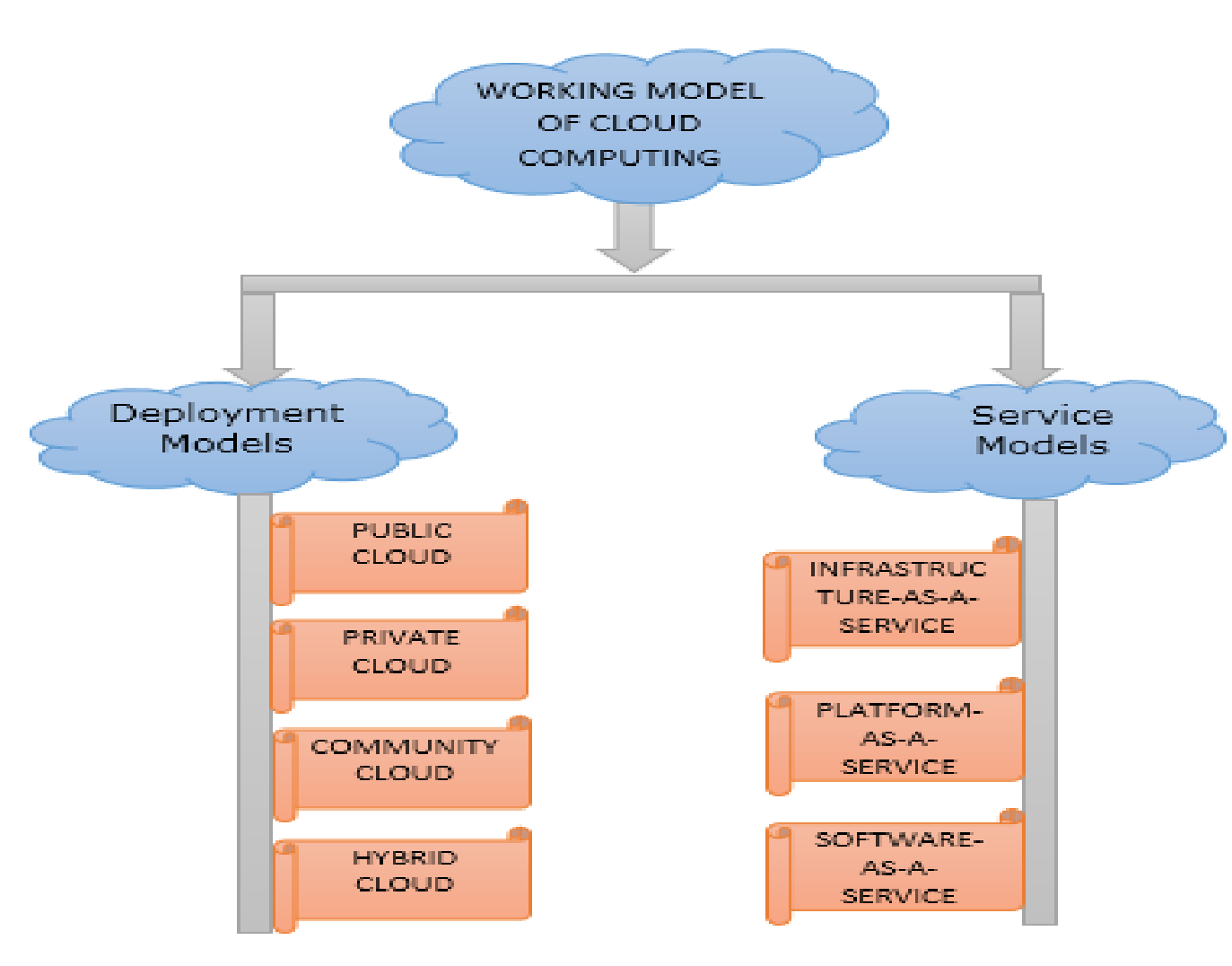
Uses of cloud computing

- Create new apps and services
- Store, back up and recover data
- Host websites and blogs
- Stream audio and video
- Deliver software on demand
- Analyze data for patterns and make predictions

Cloud computing offers platform independency,because software is not required to be installed locally on the PC.Thus applications are being mobile and collaborative.

Cloud Computing

WORKING MODELS FOR CLOUD COMPUTING



Cloud Computing

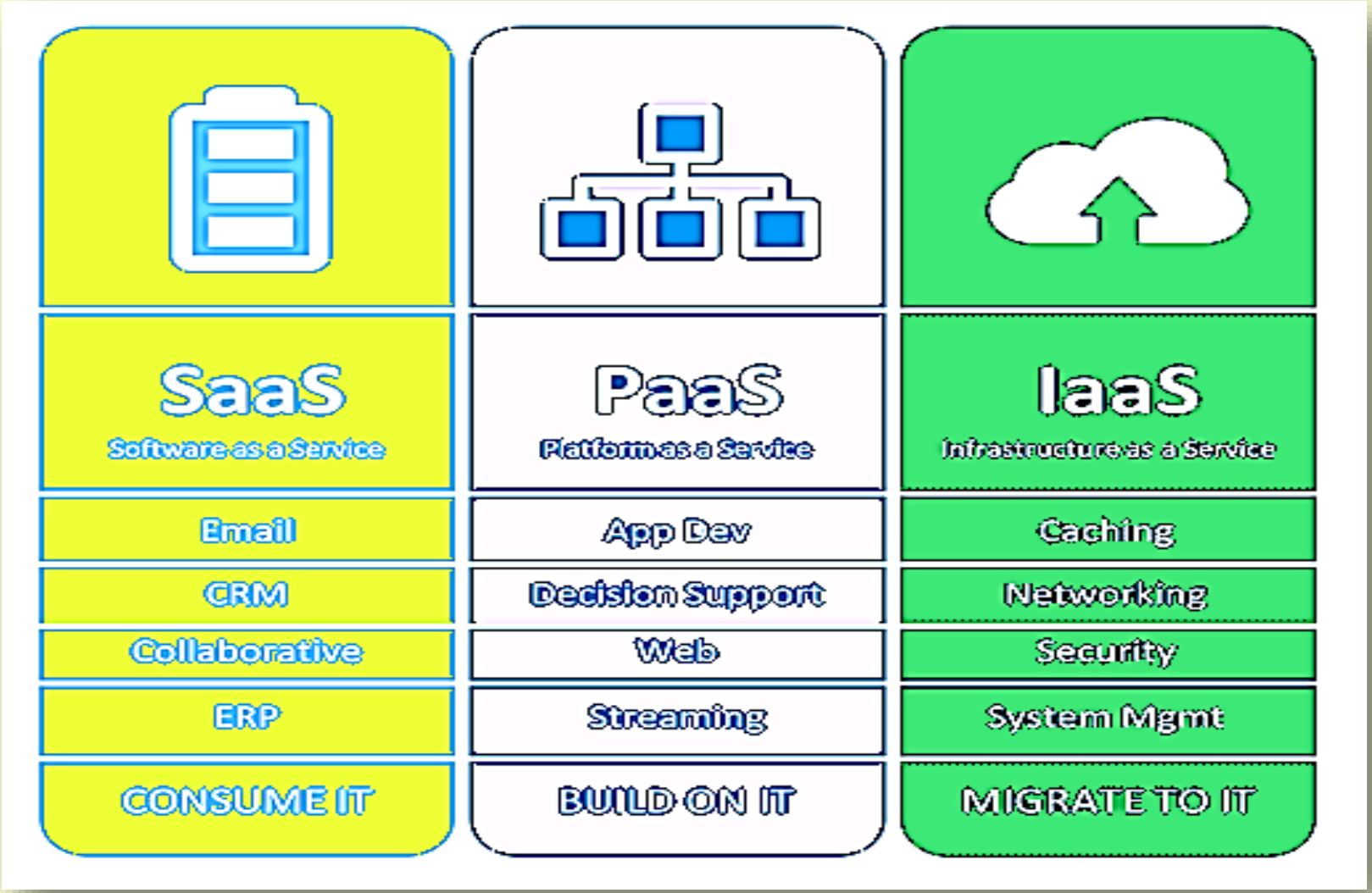
WORKING MODELS FOR CLOUD COMPUTING

DEPLOYMENT MODEL

- **PUBLIC CLOUD –**
  For general public.
- **PRIVATE CLOUD –**
  For an organization only
- **COMMUNITY CLOUD -**
  For group of organizations.
- **HYBRID CLOUD –**
  Mixture of public and private cloud

Cloud Computing

WORKING MODELS FOR CLOUD COMPUTING



Cloud Computing

Private Cloud Storage

It is a type of storage mechanism that stores an organization's data at in-house storage servers by cloud computing implementation.

It is not publicly accessible and is owned by a single organization and its authorized external partners.

Private cloud storage is also known as internal cloud storage.

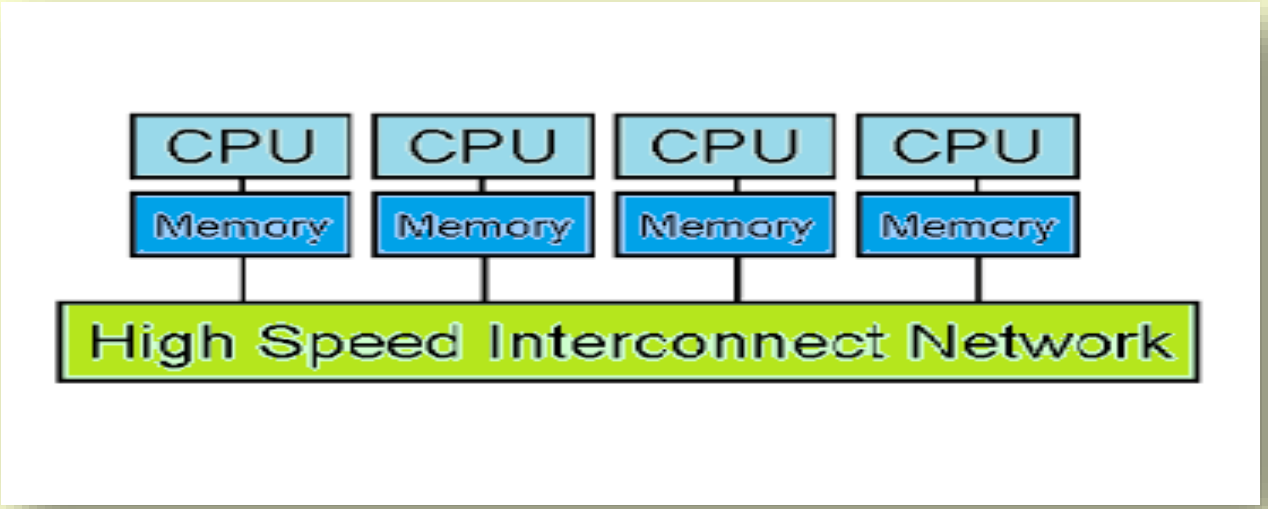
Cloud Computing

public cloud storage

It is also called storage-as-a-service, on-line storage or utility storage, is a service model for data storage on a pay-per-use basis.

It is often used for backing up data as disaster recovery plan (DRP) as well as archiving email and static non-core application data. It's Usage is generally charged on a dollar-per-gigabyte-per-month basis.

Provider public cloud is responsible for building and maintaining the storage infrastructure and its associated costs including power, cooling and server maintenance.

Parallel Computing

Parallel computing performs large computations by dividing the workload between more than one processor, all of which work through the computation at the same time. Most supercomputers employ parallel computing principles to operate. Parallel computing is also known as parallel processing.