

ICT Olympiad  
Group II: Detailed Syllabus

**Adobe Pagemaker and Photoshop**

Short Keys  
Tools of toolbar  
Blending Modes  
Layers and Brushes  
Style sheets  
File extensions  
Filters

**Cloud and Mobile Computing**

Concept of cloud computing  
Benefits of cloud computing  
iOS and Android features  
File extensions  
Abbreviations

**GIMP and Flash**

Key Frames, types of images  
File extensions  
Short Keys  
Tool Bars and various Tools  
Concept of layers  
Frames, Panels, Tweens, Masking and Stages  
Views and all related topics

**Hardware**

Computer Generations, History of computer  
Abbreviations  
Ports, External and Internal Devices  
Organisation (parts) of computer  
Storage devices, storage units  
Networking devices,  
Memory types and uses

**HTML**

Body of HTML code,  
Various Tags and their uses  
Tables, Forms,  
File extensions  
Links, Attributes

## **OFFICE**

Licensed, Proprietary, Open Source software etc.

Word: Creating, Saving, formatting and printing documents, printing with various options

Mail Merge, short cut keys, various tool bars, etc.

Excel : Concept of cell, cell address, formula etc, formatting cells, various tool bars and options, formulas used in Excel , etc.

PowerPoint: Concept of slide, transitions, various PowerPoint views, Short cut keys, all tool bars, printing, saving opening, closing presentations etc.

Access : concept of database etc.

## **Operating System**

Concept of operating systems

Architecture and system calls

Types of operating system, GUI

Algorithms, flow charts etc.

Compilers and Interpreters

Utility software, application software and system software

LINUX, UNIX

FIFO, GIGO etc.

Storing and retrieving data, system calls

## **Web Browser and Net Working**

Concept of web browser,

Various web browsers and their features

IP addresses and MAC addresses

History of networking

Transmission media, transmission of signals,

Digital and analog signals, packets

Encryption, protocols,

Networking devices,

Abbreviations

Network security, Viruses, Worms, Trojans, Horses,

Social media and e-various apps