

ICT Olympiad

Group I: Detailed Syllabus

Web Browser and Networking

- Web terminologies and Web Browsers
- Protocols
- Transmission Media
- Networking devices
- History of internet
- Emails, Social media
- Virus & Antivirus concept
- Cyber World
- E-commerce
- Search Engines

HTML and Gaming

- HTML Tags and attributes
- Concept of URL
- Links and Hyperlinks
- Tables
- Lists
- Various Games and related levels and details

Hardware and Software

- Types of computers
- Generations of computers
- Components of CPU, (system unit), Microprocessors and chips
- Booting process
- Peripheral devices
- Types of storage
- Units of memory
- Inventions and Abbreviations
- Operating System
- Printers
- Input / Output devices

GIMP

- Tools
- Interface, File extension and shortcut keys
- Commands and filters

LOGO

- LOGO Screen and its parts
- ALL LOGO commands
- Primitives and procedures

Open Office and MS Office

- Licensed, Proprietary, Open Source software etc.
Writer: Creating, Saving, formatting and printing documents, printing with various options
Mail Merge, short cut keys, various tool bars, etc.
- CALC : Concept of cell, cell address, formula etc, formatting cells, various tool bars and options etc.
- Impress:Concept of slide, transitions, various PowerPoint views, Short cut keys, all tool bars, printing, saving opening, closing presentations etc.

Tux Paint and MS Paint

- Brushes, Tools, File extensions
- Paint tools, opening, saving and creating files,
- Working with images and photos in Paint

Scratch

- Tools
- Concept of sprite, Scratch window
- Blocks and shapes
- Screen layouts
- Sound, costumes and background
- File formats supported and used

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