SCERT Kerala · Class 12 · Computer Applications

# Computer Applications

ORIGINAL STUDY COMPANION
PADIKAM
CLASS 12 | HUMANITIES
Computer Applications -
Humanities
Kerala SCERT / prescribed NCERT core lessons
10 chapter lessons
Quick explanations, core points, exam practice and chapter-specific notation in one
consistent format.
Padikam explanations are independently written. Official textbooks are used as the coverage map, chapter sequence and terminology
reference.


Contents
01 Introduction to Publishing
02 Introduction to Word Processors
03 Creating Professional Documents
04 Web Technology
05 Web Designing Using HTML
06 Cascading Style Sheets
07 Web Hosting
08 Database Management System
09 Structured Query Language
10 Trends and Issues in ICT
Study rhythm
Read the quick explanation, recall the core points aloud, then answer the prompts without looking
back. Use the official textbook links for full prescribed readings, activities and diagrams.
Textbook and verification links
1. https://www.hsslive.in/2015/05/plus-two-2-new-text-booksscert.html
2. https://samagra.kite.kerala.gov.in/
3. https://www.hsslive.in/2020/09/hss-comp-app-humanities-notes.html


CHAPTER 01
Introduction to Publishing
Quick understanding
Publishing moves a message from planning and editing through design, production and distribution for
a defined audience.
Core points Check your learning
Purpose and audience guide every design decision. Explain the central idea of Introduction to
Publishing in your own words.
Editing separates content correction from visual
layout. Apply one idea from Introduction to
Publishing to a textbook-style example or
Print and digital publishing use related but distinct
source.
production choices.

One-line recall Purpose and audience guide every design decision.
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CHAPTER 02
Introduction to Word Processors
Quick understanding
A word processor creates structured, editable documents with styles, layout controls and review tools.
Core points Check your learning
Styles keep headings consistent. Explain the central idea of Introduction to
Word Processors in your own words.
Page settings control margins, orientation and
breaks. Apply one idea from Introduction to Word
Processors to a textbook-style example
Track changes and comments support collaborative
or source.
review.
One-line recall Styles keep headings consistent.
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CHAPTER 03
Creating Professional Documents
Quick understanding
Professional documents use hierarchy, alignment, reusable templates, tables and mail merge to communicate efficiently.
Core points Check your learning
Use section breaks when page layouts differ. Explain the central idea of Creating
Professional Documents in your own
Headers and footers carry repeated information.
words.
Mail merge combines one template with a checked
Apply one idea from Creating
data source.
Professional Documents to a textbook-
style example or source.
One-line recall Use section breaks when page layouts differ.
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CHAPTER 04
Web Technology
Quick understanding
Web communication connects browsers, servers and resources through addresses and standard protocols.
Core points Check your learning
A URL identifies how and where a resource is Explain the central idea of Web
requested. Technology in your own words.
HTTP request and response form the basic Apply one idea from Web Technology to
exchange. a textbook-style example or source.
Accessible structure helps diverse readers and
devices.
One-line recall A URL identifies how and where a resource is requested.
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CHAPTER 05
Web Designing Using HTML
Quick understanding

HTML expresses document meaning with elements for headings, navigation, content, tables, forms and media.

Core points Check your learning

Nest elements correctly. Explain the central idea of Web

Designing Using HTML in your own

Alternative text conveys image purpose.

words.

Labels, headings and landmarks improve

Apply one idea from Web Designing

accessibility.

Using HTML to a textbook-style example

or source.

Code pattern

```
<article>
<h1>Community Report</h1>
<p>Verified findings...</p>
</article>
```

One-line recall Nest elements correctly.

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CHAPTER 06

Cascading Style Sheets

Quick understanding

CSS controls presentation through selectors, the cascade, inheritance and the box model.

Core points Check your learning

Specificity helps resolve competing declarations. Explain the central idea of Cascading

Style Sheets in your own words.

Margin, border, padding and content form the box

model. Apply one idea from Cascading Style

Sheets to a textbook-style example or

Responsive rules adapt layout without changing

source.

meaning.

Code pattern

```
body { font-family: Arial, sans-serif; }
article { max-width: 65ch; margin: auto; }
```

One-line recall Specificity helps resolve competing declarations.

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CHAPTER 07

Web Hosting

Quick understanding

Hosting publishes site files on an internet-connected service reached through a domain name.

Core points Check your learning

DNS maps names to network addresses. Explain the central idea of Web Hosting

in your own words.

File paths and permissions must be tested after

upload. Apply one idea from Web Hosting to a

textbook-style example or source.

HTTPS, backups and updates support trustworthy

publication.

One-line recall DNS maps names to network addresses.

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CHAPTER 08

Database Management System
Quick understanding
ADBMS gives social, media or research data a controlled structure for storage and retrieval.
Core points Check your learning
Tables should model clear entities. Explain the central idea of Database
Management System in your own words.
Keys protect identity and relationships.
Apply one idea from Database
Privacy rules should limit unnecessary personal
Management System to a textbook-style
data.
example or source.
One-line recall Tables should model clear entities.
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CHAPTER 09
Structured Query Language
Quick understanding
SQL retrieves evidence from tables through filters, sorting, grouping and joins.
Core points Check your learning
SELECT lists required columns. Explain the central idea of Structured
Query Language in your own words.
WHERE applies row conditions.
Apply one idea from Structured Query
Aggregates summarise groups and must be
Language to a textbook-style example or
interpreted with context.
source.
Code pattern
SELECT District, COUNT(*) AS Responses
FROM Survey
GROUP BY District;
One-line recall SELECT lists required columns.
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CHAPTER 10
Trends and Issues in ICT
Quick understanding
Digital media, cloud services, AI and mobile networks expand participation while raising concerns about bias, privacy and access.
Core points Check your learning
Verify sources before sharing information. Explain the central idea of Trends and
Issues in ICT in your own words.
Algorithmic output can reproduce biased data.
Apply one idea from Trends and Issues
Inclusive design considers language, disability, cost
in ICT to a textbook-style example or
and connectivity.
source.
One-line recall Verify sources before sharing information.
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