SCERT Kerala · Class 11 · Computer Applications

Computer Applications

ORIGINAL STUDY COMPANION
PADIKAM
CLASS 11 | HUMANITIES
Computer Applications -
Humanities 2026
Kerala SCERT / prescribed NCERT core lessons
7 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 Computing System
02 Word Processing
03 Designing Presentation
04 Electronic Spreadsheet
05 Computer Network
06 Cyber Security
07 AI and Its Applications
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://scert.kerala.gov.in/hss-2026/
2. https://drive.google.com/file/d/1Nu2UnP-dWwNfL1bIN25Bk4kqFgpA_iFE/view

CHAPTER 01
Computing System
Quick understanding
Understand computer evolution, components, software and responsible use.
Core points Check your learning
Acomputer system integrates input, processing, Label a computer organisation diagram.
storage and output.
Distinguish hardware, system software
Operating systems manage hardware and provide and application software.
services.
Green computing reduces energy use and e-waste.
One-line recall Acomputer system integrates input, processing, storage and output.

CHAPTER 02
Word Processing
Quick understanding
Create structured documents using styles, tables, images, references and careful revision.

Core points Check your learning
Styles give consistent hierarchy. Design a formal report or newsletter.
Page layout should serve readability and purpose. Use find-replace, styles and headers correctly.
Spell-checking does not replace proofreading.
One-line recall Styles give consistent hierarchy.
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CHAPTER 03
Designing Presentation
Quick understanding
Plan a presentation around audience, message and visual sequence.
Core points Check your learning
One slide should communicate one main idea. Create a five-slide social-topic presentation.
Readable contrast and limited text improve attention.
Evaluate a slide for hierarchy and
Speaker explanation should add value beyond the
accessibility.
slide.
One-line recall One slide should communicate one main idea.
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CHAPTER 04
Electronic Spreadsheet
Quick understanding
Organise data and use formulas, functions, charts, sorting and filtering for analysis.
Core points Check your learning
Cell references may be relative, absolute or mixed. Build a household-budget sheet.
Functions reduce repeated calculation. Use SUM, AVERAGE, IF and an
appropriate chart.
Charts must match the question the data should
answer.
Equation and notation
Relative: A1
Absolute: A1
Mixed: A$1 or $A1
SYMBOLS AND UNITS
A1: relative cell reference A1: absolute row and column
A$1 or $A1: one fixed and one relative component
One-line recall Cell references may be relative, absolute or mixed.
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CHAPTER 05
Computer Network
Quick understanding
Connect devices and share information through media, protocols and network services.
Core points Check your learning
Network type depends on scale and use. Draw a school network.
Switches connect local devices; routers connect Compare common internet services and networks. protocols.
The internet and web are related but not identical.
One-line recall Network type depends on scale and use.
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CHAPTER 06
Cyber Security
Quick understanding
Identify threats and practise secure, ethical digital behaviour.
Core points Check your learning
Phishing manipulates people rather than software Create a response plan for a
alone. compromised account.
Updates, backups and multi-factor authentication Analyse a misinformation or phishing
reduce risk. message.
Privacy includes control over personal data and
digital footprint.
One-line recall Phishing manipulates people rather than software alone.
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CHAPTER 07
AI and Its Applications
Quick understanding
Explore intelligent systems in language, media, public services and research while recognising
limitations.
Core points Check your learning
AI output depends on data, model and prompt or Evaluate AI in journalism or social
task design. research.
Bias and fabricated output require verification. Write rules for transparent classroom
use of AI.
Ethical use protects fairness, privacy and human
agency.
One-line recall AI output depends on data, model and prompt or task design.
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