

**BUDHA DAL PUBLIC SCHOOL, PATIALA**  
**LESSON PLAN OF CLASS IX (SUBJECT: INFORMATION TECHNOLOGY 402)**  
**Term –I & Final Exams Syllabus (Session 2026-27)**

**Month-Wise Distribution**

**APRIL**

**Part-A**

**Unit-I** (Communication Skills-I)

**Part-B**

**Unit-III** (Digital Documentation)

**MAY**

**Part-A**

**Unit-II** (Self-Management Skills-I)

**Part-B**

**Unit-IV** (Electronic Spreadsheet)

**JULY**

**Part-B**

**Unit-IV** (Electronic Spreadsheet) Cont....

**AUGUST**

**Part-A**

**Unit-III** (Information & Communication Technology Skills-I)

**SEPTEMBER**

**Revision + Term-I Exam**

**OCTOBER**

**Part-A**

**Unit-IV**(Entrepreneurial Skills-I)

**Part-B**

**Unit-I**(Introduction to IT-ITes industry)

**NOVEMBER**

**Part-A**

**Unit-V** (Green Skills-I)

**Part-B**

**Unit-II** (Data Entry & Keyboarding Skills)

**DECEMBER**

**Part-B**

**Unit-V**(Digital Presentation)

**JANUARY**

**Revision of Whole Syllabus**

**FEBRUARY**

**Final Exam**

### **Syllabus of Periodic Test-I**

#### **Part-A**

**Unit-III** (Information & Communication Technology Skills-I)

#### **Part-B**

**Unit-IV** (Electronic Spreadsheet)

### **Syllabus of Periodic Test-II**

#### **Part-A**

**Unit-IV**(Entrepreneurial Skills-I)

#### **Part-B**

**Unit-I**(Introduction to IT-ITes industry)

**Unit-II**(Data Entry & Keyboarding Skills)

### **Syllabus of Term – I Exams**

#### **Part-A**

**Unit-I** (Communication Skills-I)

**Unit-II** (Self-Management Skills-I)

**Unit-III** (Information & Communication Technology Skills-I)

#### **Part-B**

**Unit-III** (Digital Documentation)

**Unit-IV** (Electronic Spreadsheet)

### **Syllabus of Final Exams**

#### **Part-A**

**Unit-I**(Communication Skills-I)

**Unit-II**(Self-Management Skills-I)

**Unit-III** (Information & Communication Technology Skills-I)

**Unit-IV**(Entrepreneurial Skills-I)

**Unit-V**(Green Skills-I)

#### **Part-B**

**Unit-I**(Introduction to IT-ITes industry)

**Unit-II**(Data Entry & Keyboarding Skills)

**Unit-III** (Digital Documentation)

**Unit-IV**(Electronic Spreadsheet)

**Unit-V**(Digital Presentation)

# Lesson Plan

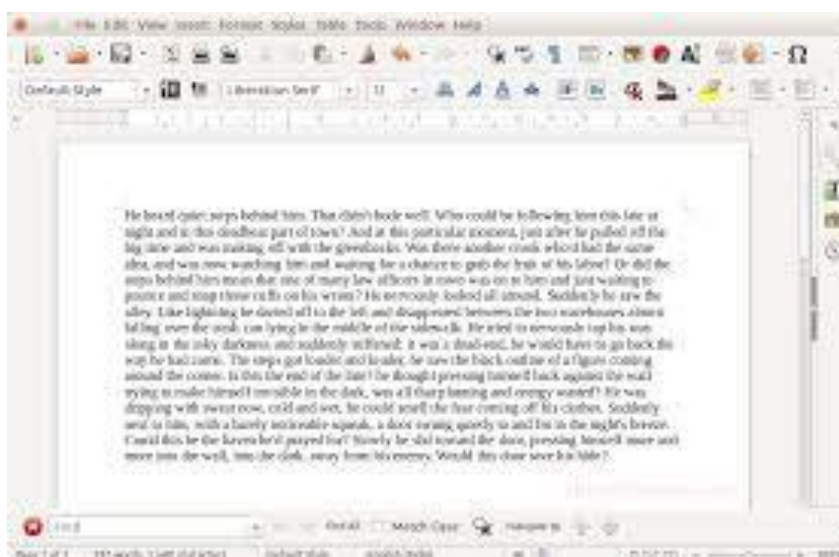
**April Part A Unit-I (Communication Skills-I)**



- **Topics:**
  - Introduction to Communication
  - Types of Communication (Verbal, Non-verbal)
  - Effective Communication Skills
  - Barriers to Communication
  - Communication in the Workplace
- **Learning Objectives:**
  - Understand the basics of communication and its importance.
  - Identify and use different types of communication.
  - Develop effective communication skills.
  - Recognize and overcome barriers to communication.
  - Apply communication skills in the workplace.
- **Art & Integrated Activity/Project/Practical:**
  - Role-playing exercises to practice verbal and non-verbal communication.
  - Group discussions and presentations on communication topics.
  - Activities to identify and overcome communication barriers.
  - Case studies on workplace communication scenarios.
- **Expected Learning Outcomes:**
  - Students will understand the basics and importance of communication.
  - They will identify and use different types of communication effectively.
  - Students will develop and apply effective communication skills.

- They will recognize and overcome barriers to communication.
- Students will apply communication skills in workplace scenarios.
- **Assignment and Assessments/Test:**
  - Assignments on communication types and skills.
  - Quizzes on communication concepts.
  - Practical tests on communication exercises.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on communication skills.
  - Video tutorials on effective communication.
  - Personalized feedback and one-on-one assistance for specific challenges.

### April      Part B      Unit-III (Digital Documentation)



- **Topics:**
  - Introduction to Digital Documentation
  - Creating and Formatting Documents
  - Using Templates and Styles
  - Inserting and Formatting Tables and Images
  - Document Review and Collaboration
- **Learning Objectives:**
  - Understand the basics of digital documentation.
  - Create and format documents effectively.
  - Use templates and styles for consistency.
  - Insert and format tables and images in documents.

- Review and collaborate on documents.
- **Art & Integrated Activity/Project/Practical:**
  - Hands-on practice creating and formatting documents.
  - Use of templates and styles in document creation.
  - Inserting and formatting tables and images in projects.
  - Collaborative document review and editing exercises.
- **Expected Learning Outcomes:**
  - Students will understand the basics of digital documentation.
  - They will create and format documents effectively.
  - Students will use templates and styles for consistent document formatting.
  - They will insert and format tables and images in documents.
  - Students will review and collaborate on documents.
- **Assignment and Assessments/Test:**
  - Assignments on creating and formatting documents.
  - Quizzes on digital documentation concepts.
  - Practical tests on document creation and formatting.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on digital documentation.
  - Video tutorials on document formatting and collaboration.
  - Personalized feedback and one-on-one assistance for specific challenges.

### May – Part A Unit-II Self-Management Skills-I



- **Topics:**

- Introduction to Self-Management
- Goal Setting and Time Management
- Personal Hygiene and Grooming
- Positive Attitude and Self-Motivation
- Stress Management

- **Learning Objectives:**

- Understand the basics of self-management.
- Learn and apply goal setting and time management techniques.
- Develop personal hygiene and grooming habits.
- Cultivate a positive attitude and self-motivation.
- Manage stress effectively.

- **Art & Integrated Activity/Project/Practical:**

- Goal setting and time management exercises.
- Personal hygiene and grooming workshops.
- Activities to develop a positive attitude and self-motivation.
- Stress management techniques and relaxation exercises.

- **Expected Learning Outcomes:**

- Students will understand the basics of self-management.
- They will set goals and manage their time effectively.
- Students will develop good personal hygiene and grooming habits.
- They will cultivate a positive attitude and self-motivation.
- Students will manage stress effectively.

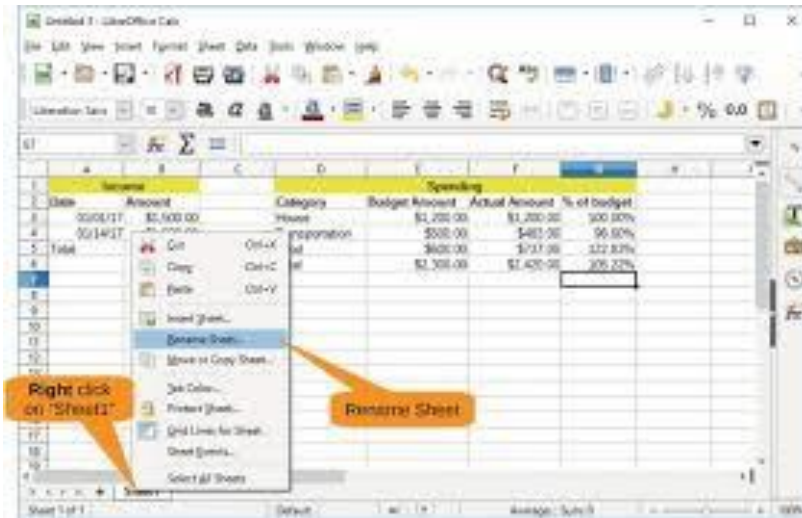
- **Assignment and Assessments/Test:**

- Assignments on goal setting and time management.
- Quizzes on self-management concepts.
- Practical tests on self-management exercises.

- **Remedial Measures:**

- Extra practice sessions and step-by-step guides on self-management.
- Video tutorials on goal setting and stress management.
- Personalized feedback and one-on-one assistance for specific challenges.

## May – Part B Unit-IV (Electronic Spreadsheet)



- **Topics:**

- Introduction to Electronic Spreadsheets
- Creating and Formatting Spreadsheets
- Using Formulas and Functions
- Data Analysis and Visualization
- Advanced Spreadsheet Techniques

- **Learning Objectives:**

- Understand the basics of electronic spreadsheets.
- Create and format spreadsheets effectively.
- Use formulas and functions for calculations.
- Perform data analysis and create visualizations.
- Apply advanced spreadsheet techniques.

- **Art & Integrated Activity/Project/Practical:**

- Hands-on practice creating and formatting spreadsheets.
- Using formulas and functions in spreadsheet projects.
- Data analysis and visualization exercises.
- Advanced spreadsheet projects and techniques.

- **Expected Learning Outcomes:**

- Students will understand the basics of electronic spreadsheets.
- They will create and format spreadsheets effectively.
- Students will use formulas and functions for calculations.

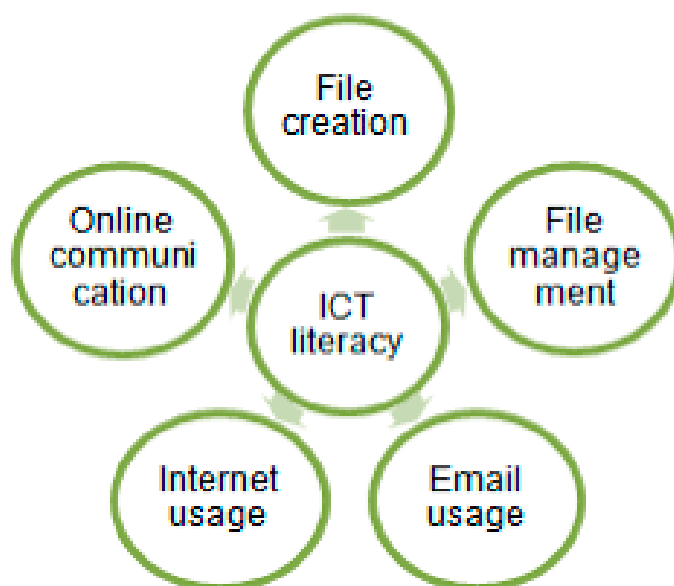
- They will perform data analysis and create visualizations.
- Students will apply advanced spreadsheet techniques.
- **Assignment and Assessments/Test:**
  - Assignments on creating and formatting spreadsheets.
  - Quizzes on spreadsheet concepts.
  - Practical tests on spreadsheet creation and data analysis.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on spreadsheets.
  - Video tutorials on using formulas and functions.
  - Personalized feedback and one-on-one assistance for specific challenges.

### **July – Part B: Unit-IV (Electronic Spreadsheet) Contd....**

- **Topics:**
  - Review of Basic Spreadsheet Skills
  - Advanced Formulas and Functions
  - Conditional Formatting and Data Validation
  - Pivot Tables and Data Analysis Tools
  - Spreadsheet Automation with Macros
- **Learning Objectives:**
  - Review and reinforce basic spreadsheet skills.
  - Learn and apply advanced formulas and functions.
  - Use conditional formatting and data validation techniques.
  - Create and analyze data using pivot tables and analysis tools.
  - Automate spreadsheet tasks with macros.
- **Art & Integrated Activity/Project/Practical:**
  - Advanced spreadsheet projects using formulas and functions.
  - Conditional formatting and data validation exercises.
  - Data analysis projects with pivot tables.
  - Automation projects using spreadsheet macros.
- **Expected Learning Outcomes:**
  - Students will reinforce their basic spreadsheet skills.
  - They will apply advanced formulas and functions in spreadsheets.
  - Students will use conditional formatting and data validation techniques.
  - They will create and analyze data using pivot tables and analysis tools.

- Students will automate spreadsheet tasks with macros.
- **Assignment and Assessments/Test:**
  - Assignments on advanced spreadsheet techniques.
  - Quizzes on advanced formulas, functions, and pivot tables.
  - Practical tests on spreadsheet automation and data analysis.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on advanced spreadsheets.
  - Video tutorials on pivot tables and macros.
  - Personalized feedback and one-on-one assistance for specific challenges.

### August – Part A: Unit-III (Information & Communication Technology Skills-I)



- **Topics:**
  - Introduction to ICT
  - Basics of Computer Hardware and Software
  - Using Word Processing Software
  - Using Spreadsheet Software
  - Using Presentation Software
- **Learning Objectives:**
  - Understand the basics of information and communication technology.
  - Identify and describe computer hardware and software components.
  - Use word processing software effectively.
  - Use spreadsheet software for data management.

- Create presentations using presentation software.
- **Art & Integrated Activity/Project/Practical:**
  - Hands-on activities with word processing, spreadsheet, and presentation software.
  - Projects involving the use of ICT tools for various tasks.
  - Group presentations on ICT topics.
  - Practice sessions on using different ICT software.
- **Expected Learning Outcomes:**
  - Students will understand the basics of ICT.
  - They will identify and describe computer hardware and software components.
  - Students will use word processing, spreadsheet, and presentation software effectively.
  - They will complete projects using various ICT tools.
  - Students will create and deliver presentations on ICT topics.
- **Assignment and Assessments/Test:**
  - Assignments on ICT basics and software use.
  - Quizzes on computer hardware and software components.
  - Practical tests on using word processing, spreadsheet, and presentation software.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on ICT skills.
  - Video tutorials on using different ICT software.
  - Personalized feedback and one-on-one assistance for specific challenges.

## September

### Revision & Term-I Exam

## October – Part A Unit-IV (Entrepreneurial Skills-I)



- **Topics:**

- Introduction to Entrepreneurship
- Characteristics of an Entrepreneur
- Types of Businesses
- Business Planning
- Risk Management

- **Learning Objectives:**

- Understand the basics of entrepreneurship.
- Identify characteristics of successful entrepreneurs.
- Learn about different types of businesses.
- Develop skills in business planning.
- Understand risk management in business.

- **Art & Integrated Activity/Project/Practical:**

- Case studies on successful entrepreneurs.
- Group projects on creating business plans.
- Activities to identify and assess business risks.
- Role-playing exercises on entrepreneurial scenarios.

- **Expected Learning Outcomes:**

- Students will understand the basics of entrepreneurship.
- They will identify characteristics of successful entrepreneurs.
- Students will learn about different types of businesses.
- They will develop skills in business planning.
- Students will understand risk management in business.

- **Assignment and Assessments/Test:**

- Assignments on entrepreneurship and business planning.
- Quizzes on entrepreneurial concepts.
- Practical tests on creating business plans.

- **Remedial Measures:**

- Extra practice sessions and step-by-step guides on entrepreneurship.
- Video tutorials on business planning and risk management.
- Personalized feedback and one-on-one assistance for specific challenges.



- **Topics:**

- Overview of the IT-ITes Industry
- Key Players in the Industry
- Career Opportunities in IT-ITes
- Skills Required for IT-ITes Jobs
- Future Trends in the Industry

- **Learning Objectives:**

- Understand the overview of the IT-ITes industry.
- Identify key players in the industry.
- Explore career opportunities in IT-ITes.
- Learn about the skills required for IT-ITes jobs.
- Understand future trends in the IT-ITes industry.

- **Art & Integrated Activity/Project/Practical:**

- Research and presentations on key players in the IT-ITes industry.
- Group discussions on career opportunities in IT-ITes.
- Skills assessment and development activities.
- Projects on future trends in the IT-ITes industry.

- **Expected Learning Outcomes:**

- Students will understand the overview of the IT-ITes industry.
- They will identify key players in the industry.
- Students will explore career opportunities in IT-ITes.
- They will learn about the skills required for IT-ITes jobs.
- Students will understand future trends in the IT-ITes industry.

- **Assignment and Assessments/Test:**

- Assignments on the IT-ITes industry overview and career opportunities.
- Quizzes on industry concepts and skills required.
- Practical tests on research and presentations.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on IT-ITes concepts.
  - Video tutorials on industry trends and career opportunities.
  - Personalized feedback and one-on-one assistance for specific challenges.

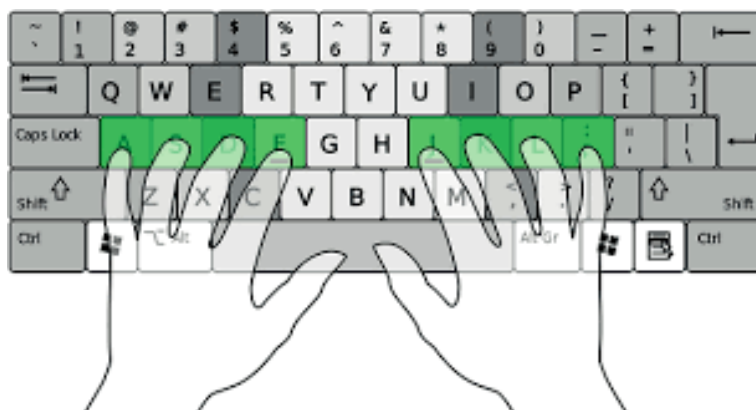
## November – Part A:      Unit-V (Green Skills-I)



- **Topics:**
  - Introduction to Green Skills
  - Importance of Sustainability
  - Green Practices in the Workplace
  - Environmental Awareness
  - Green Careers
- **Learning Objectives:**
  - Understand the basics of green skills and sustainability.
  - Learn about the importance of sustainability.
  - Apply green practices in the workplace.
  - Develop environmental awareness.
  - Explore green careers.
- **Art & Integrated Activity/Project/Practical:**
  - Projects on green practices and sustainability.

- Activities to promote environmental awareness.
- Research on green careers and their importance.
- Case studies on companies with green practices.
- **Expected Learning Outcomes:**
  - Students will understand the basics of green skills and sustainability.
  - They will learn about the importance of sustainability.
  - Students will apply green practices in the workplace.
  - They will develop environmental awareness.
  - Students will explore green careers.
- **Assignment and Assessments/Test:**
  - Assignments on green skills and sustainability.
  - Quizzes on environmental awareness and green practices.
  - Practical tests on green projects and activities.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on green skills.
  - Video tutorials on sustainability and green practices.
  - Personalized feedback and one-on-one assistance for specific challenges.

### **Lesson Plan: Part B Unit-II (Data Entry & Keyboarding Skills)**



- **Topics:**
  - Introduction to Data Entry
  - Basics of Keyboarding Skills
  - Typing Practice and Speed Development
  - Data Entry Techniques and Best Practices
  - Accuracy and Efficiency in Data Entry
- **Learning Objectives:**

- Understand the basics of data entry and keyboarding skills.
- Develop typing speed and accuracy.
- Learn data entry techniques and best practices.
- Improve accuracy and efficiency in data entry tasks.
- **Art & Integrated Activity/Project/Practical:**
  - Typing practice sessions to develop speed and accuracy.
  - Data entry projects using different software tools.
  - Activities to improve accuracy and efficiency in data entry.
  - Group discussions on best practices in data entry.
- **Expected Learning Outcomes:**
  - Students will understand the basics of data entry and keyboarding skills.
  - They will develop typing speed and accuracy.
  - Students will learn data entry techniques and best practices.
  - They will improve accuracy and efficiency in data entry tasks.
- **Assignment and Assessments/Test:**
  - Assignments on data entry techniques and keyboarding skills.
  - Quizzes on data entry concepts and best practices.
  - Practical tests on typing speed and accuracy.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on data entry and keyboarding skills.
  - Video tutorials on typing practice and data entry techniques.
  - Personalized feedback and one-on-one assistance for specific challenges.

### December – Part B Unit-V (Digital Presentation)



- **Topics:**
  - Introduction to Digital Presentation Software
  - Creating Effective Presentations
  - Designing Slides and Visual Elements
  - Using Multimedia in Presentations
  - Presentation Delivery Techniques
- **Learning Objectives:**
  - Understand the basics of digital presentation software.
  - Create effective and engaging presentations.
  - Design slides with visual elements.
  - Use multimedia elements in presentations.
  - Develop presentation delivery techniques.
- **Art & Integrated Activity/Project/Practical:**
  - Hands-on practice with digital presentation software.
  - Designing slides and visual elements for presentations.
  - Incorporating multimedia elements into presentations.
  - Group presentations and feedback sessions.
- **Expected Learning Outcomes:**
  - Students will understand the basics of digital presentation software.
  - They will create effective and engaging presentations.
  - Students will design slides with visual elements.
  - They will use multimedia elements in presentations.
  - Students will develop presentation delivery techniques.
- **Assignment and Assessments/Test:**
  - Assignments on creating digital presentations.
  - Quizzes on presentation software and design concepts.
  - Practical tests on presentation creation and delivery.
- **Remedial Measures:**
  - Extra practice sessions and step-by-step guides on digital presentations.
  - Video tutorials on presentation design and delivery.
  - Personalized feedback and one-on-one assistance for specific challenges.

**January**

**Revision of Whole Syllabus**

**FEBRUARY**

**Final Exam**