GSEB Class 11 Computer Studies

Unit-wise syllabus and marks for the 2026-27 session.

UNITS	SESSION
13	2026-27

Exam pattern. Theory: 100 marks total, 80-mark written question paper plus 20 marks internal/school assessment (term tests weighted ~15% + 15% + 70% annual). Practical: separate 50-mark practical examination (Chapters 1 and 13 are theory-only and carry no practical weightage).

Practical. Hands-on practical exam worth 50 marks covering Synfig animation, Ubuntu Linux commands, Vim editing, shell scripting, and OpenOffice Base database tasks (tables, queries, forms, reports). Chapter 1 (Multimedia) and Chapter 13 (Current Trends) are theory-based and excluded from the practical.

#	UNIT AND TOPICS	MARKS
1	**Introduction to Multimedia** What is multimedia and its components; Text, audio, video, graphics and animation; Applications and uses of multimedia; Theory chapter (no practical weightage)	–
2	**Animation Tool: Synfig** Introduction to the Synfig Studio interface; Features and tools of Synfig; Setting up the workspace and canvas; Basics of 2D animation	–
3	**Creating Animation Using Synfig** Creating animation with keyframes; Working with the timeline; Tweening and motion; Producing a simple animation sequence	–
4	**Introduction to Layers** Concept of layers in Synfig; Advanced animation using layers; Layer types and ordering; Combining layers for complex animation	–
5	**Using Pictures in Synfig** Importing and handling images; Working with pictures in Synfig; Image-based animation; Exporting and rendering output	–

#	UNIT AND TOPICS	MARKS
6	**Basic Ubuntu Linux Commands** General purpose Linux commands; File and directory manipulation commands; I/O redirection and pipes; Sorting of records	–
7	**Vim Editor and Basic Scripting** Creating and editing files with the Vim editor; Vim modes and commands; Introduction to shell scripting; Writing and executing simple shell scripts	–
8	**Advanced Scripting** Shell script examples for administrative tasks; Variables, conditions and loops in scripts; Elementary system administration scripts; Automating tasks with scripts	–
9	**Introduction to Database Management System** DBMS concepts and terminology; OpenOffice Base introduction; Creating a database; Database design basics	–
10	**Working with Tables** Creating tables in OpenOffice Base; Defining fields and data types; Populating tables with data; Editing and managing table records	–
11	**Retrieving Data Using Queries** Writing queries for data retrieval; Query design in OpenOffice Base; Filtering and sorting data; Using criteria and conditions	–
12	**Forms and Reports** Creating forms for data entry; Designing reports for output presentation; Form and report wizards; Formatting output	–
13	**Current Trends and Technologies** Mobile Computing; Cloud Computing; RFID; Biometrics; Green Computing; Theory chapter (no practical weightage)	–

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