

2024-2025

ADDITIONAL SUBJECTS (IX & X)

HINDUSTANI MUSIC (VOCAL) (Code- 035)

Class– IX

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY:

Max. Marks: 30 Marks

Time: 2.00 Hrs.

1- An outline history of Indian Music

2- Definition of the following:

Sangeet, Nada, Swara, Shuddha, Vikrit (Komal, Teevra) Sthana (Mandra, Madhya, Tara), Aaroha, Avaroha, Raga, Laya, Tala, Sam, Tali, Khali, Matra, Avartana

PRACTICAL :

50 Marks

S.No.	Assessment Points	Marks Allotted
1	Two Experiments, 20 Marks each (The internal marks distribution will be decided by the examiner.)	40
2	Viva voce	10
Total		50

- (a) National Anthem
(b) Four folk or tribal songs
(c) Three patriotic songs
(d) Community singing (two songs)
- Aaroha, Avaroha, Pakad and Drut Khayal in the following Ragas: Yaman, Bhairav, Bhopali with few Tanas.
- Recitation of the Thekas of Teental, Kaharwa, Dadra and Jhaptal; keeping tala with hand beats.
- Eight Tala-Baddha, Alankars set to different Talas.

INTERNAL ASSESSMENT :

20 Marks

S.No.	Assessment Points	Marks Allotted
1	Project Work & File	10
2	Sessional Work	05
3	Continuous Assessment (Unit Tests)*	05
Total		20

*There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.

2024-2025

HINDUSTANI MUSIC (VOCAL) (Code- 035)

Class– X

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY:

Max. Marks: 30 Marks

Time: 2.00 Hrs.

- 1- Basic knowledge of the structure and tuning of Taanpura.
- 2- Knowledge of the notation systems laid down by Pt. Vishnu Digamber Paluskar and Pt. V.N. Bhatkhande.
- 3- Definition of Vadi, Samvadi, Anuvadi, Vivadi, Alap
- 4- Brief description of Natya shastra, Sangeet Ratnakar.

PRACTICAL : 50 Marks

S.No.	Assessment Points	Marks Allotted
1	Two Experiments, 20 Marks each (The internal marks distribution will be decided by the examiner.)	40
2	Viva voce	10
Total		50

- 1- Community Singing:
 - a) Two songs in different regional languages.
 - b) One Tagore song
- 2- Aaroha, Avaroha, Pakad and Drut Khyal in the following Ragas: Kafi, Khamaj, Sarang and Desh with simple elaborations and few tanas.

INTERNAL ASSESSMENT : 20 Marks

S.No.	Assessment Points	Marks Allotted
1	Project Work & File	10
2	Sessional Work	05
3	Continuous Assessment (Unit Tests)*	05
Total		20

*There will be total 3 Unit Tests (two Unit Tests before half yearly examination and one after half yearly examination) and a pre-board examination to be conducted throughout the year. At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. In annual board examination, marks of the best out of 3 Unit Tests will be taken and converted to the weightage of 05 marks for the result preparation.

2024-2025

HINDUSTANI MUSIC (MELODIC INSTRUMENTS) (036)

Class– IX

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY:

Max. Marks: 30 Marks

Time: 2.00 Hrs.

- 1- An outline history of Indian Music
- 2- Definition of the following:
Sangeet, Nada, Swara, Shuddha, Vikrit (Komal, Teevra) Sthana (Mandra, Madhya, Tara), Aaroha, Avaroha, Raga, Laya, Tala, Sama, Tali, Khali, Matras, Avartana.

PRACTICAL : 50 Marks

S.No.	Assessment Points	Marks Allotted
1	Two Experiments, 20 Marks each (The internal marks distribution will be decided by the examiner.)	40
2	Viva voce	10
Total		50

1. Proficiency in any one of the following instruments :
(i) Sitar (ii) Sarod (iii) Violin (iv) Dilruba or Esraj (v) Flute (vi) Mandolin (vii) Guitar
2. (a) The tune of National Anthem.
(b) Four light Dhuns and four folk dhuns of different regions.
3. Aaroha, Avaroha, Pakad and Drut gat in the following Ragas; Yaman, Bhairav, Bhopali with few Todas.
4. The recitation of Thekas of Teen Taal, Keharwa, Dadra and Jhaptal, taal keeping with hand beats.

INTERNAL ASSESSMENT : 20 Marks

S.No.	Assessment Points	Marks Allotted
1	Project Work & File	10
2	Sessional Work	05
3	Continuous Assessment (Unit Tests)*	05
Total		20

*There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.

2024-2025

HINDUSTANI MUSIC (MELODIC INSTRUMENTS) (036)

Class– X

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY:

Max. Marks: 30 Marks

Time: 2.00 Hrs.

- 1- Basic knowledge of the structure and tuning of any one of the following instruments:
(i) Sitar, (ii) Sarod, (iii) Violin, (iv) Dilruba or Esraj, (v) Flute, (vi) Mandolin, (vii) Guitar.
- 2- Knowledge of the notation systems laid down by Pt Vishnu Digambar Palukar and Pt. V.N Bhatkhande.
- 3- Vadi, Samvadi, Anuvadi, Vivdi, Alap
- 4- Brief description of Natya Shastra, Sangeet Ratnakar.

PRACTICAL : 50 Marks

S.No.	Assessment Points	Marks Allotted
1	Two Experiments, 20 Marks each (The internal marks distribution will be decided by the examiner.)	40
2	Viva voce	10
Total		50

- 1- Eight Tala-babbha Alankaras set to different Talas.
- 2- Aaroha, Avaroha, Pakad and Drut Gat in the following Ragas: Kafi, Khamaj, Sarang and Desh with simple elaborations and few Todas

INTERNAL ASSESSMENT : 20 Marks

S.No.	Assessment Points	Marks Allotted
1	Project Work & File	10
2	Sessional Work	05
3	Continuous Assessment (Unit Tests)*	05
Total		20

*There will be total 3 Unit Tests (two Unit Tests before half yearly examination and one after half yearly examination) and a pre-board examination to be conducted throughout the year. At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. In annual board examination, marks of the best out of 3 Unit Tests will be taken and converted to the weightage of 05 marks for the result preparation.

2024-2025

HINDUSTANI MUSIC (PERCUSSION-INSTRUMENTS) (037)

Class– IX

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY:

Max. Marks: 30 Marks

Time: 2.00 Hrs.

1- An outline history of Indian Music

2- Definition of the following:

Sangeet, Nada, Swara, Shuddha, Vikrit (Komal, Teevra) Raga, Laya, Tala, Matra, Vibhag, Sama, Tali Avartana, Dugun, Tigun, Chaugun.

PRACTICAL : 50 Marks

S.No.	Assessment Points	Marks Allotted
1	Three Experiments, 15 Marks each (The internal marks distribution will be decided by the examiner.)	45
2	Viva voce	05
Total		50

To acquire efficiency in playing on the opted percussion instrument (Tabla or Pakhawaj) with special reference to accompaniment.

1- Ability to recite with hand beats and to play on the instruments the Theka of Teen Taal, Kaharwa, Dadra, with simple elaborations.

2- Accompaniment with solo performance.

INTERNAL ASSESSMENT : 20 Marks

S.No.	Assessment Points	Marks Allotted
1	Project Work & File	10
2	Sessional Work	05
3	Continuous Assessment (Unit Tests)*	05
Total		20

*There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.

2024-2025

HINDUSTANI MUSIC (PERCUSSION-INSTRUMENTS) (037)

Class– X

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY:

Max. Marks: 30 Marks

Time: 2.00 Hrs.

- 1- Basic knowledge of the structure and tuning of the instruments (Tabla or Pakhawaj).
- 2- Knowledge of the notation systems laid down by Pt. Vishnu Digamber Paluskar and Pt. V.N. Bhatkhande.
- 3- Definition of Avartan, Theka, Lahera, Amad, Mohra, Tihai.
- 4- Brief description of Natya Shastra, Sangeet Ratnakar.

PRACTICAL : 50 Marks

S.No.	Assessment Points	Marks Allotted
1	Three Experiments, 15 Marks each (The internal marks distribution will be decided by the examiner.)	45
2	Viva voce	05
Total		50

- 1- To produce correctly the basic Bolas-Ta, Dha, Tin and Dhin, Dha, Ki, Na, Ti, Dhi, Na and Ti; Ti, Na, Dhi, Dhi, Ga, Tir, Kit, Tu, Na, Katta, etc.
- 2- Ability to recognise the tala of the composition being sung or played on a melodic instrument.
- 3- To recite the tala with hand beats and to play on the instrument the Theka of Jhaptala, Rupak and Ektala with elaborations.

INTERNAL ASSESSMENT : 20 Marks

S.No.	Assessment Points	Marks Allotted
1	Project Work & File	10
2	Sessional Work	05
3	Continuous Assessment (Unit Tests)*	05
Total		20

*There will be total 3 Unit Tests (two Unit Tests before half yearly examination and one after half yearly examination) and a pre-board examination to be conducted throughout the year. At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. In annual board examination, marks of the best out of 3 Unit Tests will be taken and converted to the weightage of 05 marks for the result preparation.

2024-25

PAINTING (041)

Class – IX

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY

Max. Marks: 30

Time: 3:00 Hrs.

UNIT- I : Fundamentals of Visual Arts (The Elements)

10 Marks

UNIT-II : Methods and Materials of Painting

10 Marks

Understanding and appropriate use of:

(i) Tools,

(ii) Painting Materials - Poster Colours, Water Colours, Oil Pastels and Pencils.

UNIT-III: Story of Indian Art

10 Marks

A. Appreciation of Indian Art covering selected paintings, sculptures and architectural glimpses-

a) Paintings:

(i) Ulizard's Dance (Bhimbethaka)

b) Sculptures:

(i) Yaksha–Yakshi at R.B.I. New Delhi (done by Ramkinker Vaij)

c) Architecture:

(i) Sun Temple (Konark, Odisha)

B. Indian Folk Art- Paintings

(Floor decoration) Alpana, Rangoli and Mandana.

PRACTICAL:

Max. Marks: 50

Time: 3:00 Hrs.

Still Life

(a) Accurate drawing with proper composition of objects.

15 Marks

(b) Compositional arrangement with due emphasis on the subject-matter. 15 Marks

(c) Treatment of medium with an appropriate colour scheme in still life. 10 Marks

(d) Originality, creativity and overall expression. 10 Marks

INTERNAL ASSESSMENT : Max. Marks: 20

(i) **Portfolio-** Portfolio will consist of 10 best works of sketches, still life and painting compositions done during the year. 15 Marks

(ii) **Continuous Assessment (Unit Test)** 05 Marks

(There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.)

PAINTING (041)

Class – X

TOTAL MARKS- 100 { 30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

THEORY

Max. Marks: 30

Time: 3:00 Hrs.

UNIT- I : Fundamentals of Visual Arts (The Elements and Principles) 10 Marks

UNIT-II : Methods and Materials of Painting 10 Marks

Understanding and appropriate use of:

(i) Tools,

(ii) Painting Materials - Poster Colours, Water Colours, Oil Pastels and Pencils.

UNIT-III: Story of Indian Art 10 Marks

A. Appreciation of Indian Art covering selected paintings, sculptures and architectural glimpses-

a) Paintings:

(i) Bodhisattava Padmapani (Ajanta)

b) Sculpture:

(i) Ashokan Lion capital (Mauryan Period)

c) Architecture:

(i) Kailashnatha Temple, (Ellora, Maharashtra)

B. Indian Folk Art- Paintings: Madhubani and Warli

PRACTICAL:

Max. Marks: 50

Time: 3:00 Hrs.

Painting-Composition

Painting from Memory– Simple composition in water/poster/pastel colours on given subjects based on sketching from life and nature. It may also be in abstract/semi-abstract/folk art forms.

a) Compositional-arrangement including emphasis on the subject. **15 Marks**

b) Treatment of media with an appropriate colour scheme. **15 Marks**

c) Originality and creativity **10 Marks**

d) Overall impression **10 Marks**

INTERNAL ASSESSMENT: Max. Marks: 20

(i) Project work/Portfolio- Portfolio will consist of 10 best work of colour sketches, Painting compositions in water colors, poster colors, oil pastels and in pencil colors done during the year. **15 Marks**

(ii) Continuous Assessment (Unit Test) 05 Marks

(There will be total 3 Unit Tests (two Unit Tests before half yearly examination and one after half yearly examination) and a pre-board examination to be conducted throughout the year. At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. In annual board examination, marks of the best out of 3 Unit Tests will be taken and converted to the weightage of 05 marks for the result preparation.)

2024-2025
ELEMENTS OF BUSINESS (042)
TOTAL MARKS- 100 { 70 (Theory) + 30 (Practical)}
Class – IX

THEORY: Max. Marks- 70 Marks Time: 3:00 Hrs.

- I. Introductory : Meaning scope of business **10 Marks**
- ii. Channels of distribution: Type and functions of wholesaler and retailer **10 Marks**
- III Course of Business Transaction: Buying and selling of goods. methods of approaching customer enquiries and quotations price list tenders estimates and firm offers general terms of sale quality price packing delivery transfer of ownership and payments preparing of invoice Debit note and credit note. **14 Marks**
- IV. Mercantile Agents: Kinds of agents and their function. Commission agents factor and broker. Del Credere agents . bought note and sold note preparation of Accounts Sales. **10 Marks**
- V. Warehousing and storekeeping : Meaning purpose functions and kinds **08 Marks**
- VI. Transportation of goods: rail road sea and air transport comparative merits **10 Marks**
- VII. Insurance: General Principles of Insurance Elementary exposure **08 Marks**

PRACTICAL: 30 Marks

S.No.	Assessment Points	Marks Allotted
1	One subject-related Project/Chart	20
2	Viva voce	05
3	Continuous Assessment (Unit Tests)	05
Total		30

Class – X

THEORY: Max. Marks- 70 Marks Time: 3:00 Hrs.

- I. Office Routine: Different departments of Business Establishments. Handing in ward and outward mail. Filing and indexing methods, Copying and duplicating methods. **14 Marks**
- II. Business correspondence Essential from of good business letter. Writing of simple business letters of enquiry quotations order reference advice and complaints. **14 Marks**
- III. Banks Functions of a Bank Kinds of accounts and their operation bank drafts traveler’s cheques. Post office Saving Bank. **14 Marks**
- IV. Negotiable instruments: Nature, Kinds of cheques endorsement, crossing, dishonoring of a cheque. **14 Marks**
- V. Bills of Exchange: Kinds, parties, negotiation, endorsing, dishonoring, Promissory notes and Hundies. **14 Marks**

PRACTICAL: 30 Marks

S.No.	Assessment Points	Marks Allotted
1	One subject-related Project/Chart	20
2	Viva voce	05
3	Continuous Assessment (Unit Tests)	05
Total		30

2024-2025

ELEMENTS OF BOOK-KEEPING AND ACCOUNTANCY (043)

TOTAL MARKS- 100 {70 (Theory) + 30 (Project)}

Class – IX

THEORY: 70 Marks

Time: 3:00 Hrs.

- I. Introduction: Need for Book-keeping objectives and advantages of books-keeping. 08 Marks
- II. Basic concepts: Dual aspect of transactions and the accounting equation, Effect of transaction on Accounting equations, Business entity concept. 09 Marks
- III. Nature of Accounts and Rules for debit and credit : classifications of accounts. Rules for debit and credit, Preparation of vouchers and supporting documents. 09 Marks
- IV. Journal: Need for journal; journal entries; subsidiary books. 10 Marks
- V. Ledger: Definition and importance; relation between journal and ledger; Meaning of posting, guiding rules for posting transactions, balancing of accounts. 12 Marks
- VI. Recording and posting of cash transactions; Necessity of cash book, types of cash books, petty cash books and imprest system, journal proper. 10 Marks
- VII Trial balance: Purpose, methods and limitations. 12 Marks

PROJECT: 30 Marks

S.No.	PROJECT WORK	MARKS
1	Project-I Prepare a pictorial/verbal dictionary of accounting terms OR Prepare subsidiary books OR Diagrammatic presentation of principles of accounting (OR any other topic related to the course content)	15
2	Project –II Preparation of a Cash Book of; i. Your pocket money ii. Help your parent to maintain one month cash statement (OR any other topic related to the course content)	10
3	Continuous Assessment (Unit Test) (There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.)	05
Total		30

2024-2025

ELEMENTS OF BOOK-KEEPING AND ACCOUNTANCY (043)

TOTAL MARKS- 100 {70 (Theory) + 30 (Project)}

Class – X

THEORY: 70 Marks

Time: 3:00 Hrs.

- I. Final Accounts: Preparation of Trading and Profit and Loss Account and Balance sheet of sole trader with simple adjustments. **14 Marks**
- II. Bank Reconciliation Statement: Utility and preparation; preparation of Cash Book with discount and Bank columns. **14 Marks**
- III. Bills of Exchange: Nature and use of bills of exchange and promissory notes; Recording transactions pertaining to drawing, discounting, retiring, dishonoring and renewing of bills of exchange. **14 Marks**
- IV. Errors and their Rectification: Types of errors and entries for their rectification. **14 Marks**
- V. Depreciation: Objects and methods- Straight line and Diminishing balance methods. **14Marks**

PROJECT: 30 Marks

S.No.	PROJECT WORK	MARKS
1	Project – I Identify 20 items and classify them as capital and revenue receipts, capital and revenue expenditure and deferred revenue expenditure OR any other topic related to the course content.	15
2	Project –II Make a statement of affairs for incomplete records of a small shop. OR any other topic related to the course content.	10
3	Continuous Assessment (Unit Test) There will be total 3 Unit Tests (two Unit Tests before half yearly examination and one after half yearly examination) and a pre-board examination to be conducted throughout the year. At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. In annual board examination, marks of the best out of 3 Unit Tests will be taken and converted to the weightage of 05 marks for the result preparation.	05
Total		30

2024-2025

TYPEWRITING ENGLISH OR HINDI (044)

TOTAL MARKS- 100 { 25 (Theory) + 75 (Practical)}

Class – IX

THEORY: 25 Marks

Time: 2:00 Hrs.

Knowledge of Key Board.

Methods and Principles of Typewriting.

Touch system of Typewriting.

Knowledge about mechanization of the Typewriter- Its different parts

Maintenance of Typewriter.

PRACTICAL: 75 Marks

Time : 1:00 Hrs.

1- Speed Test (15 words per minute)

Marks: 30, Time: 10 Minutes

(A simple passage of about 150 words in English or 120 words in Hindi. The same passage to be repeated if finished before time)

2- Accuracy Test

Marks: 40, Time: 40 Minutes

(A simple passage of about 400 words in English or Hindi @ 10 w.p.m.)

3- Continuous Assessment (Unit Test)

Marks: 05

Class – X

THEORY: 25 Marks

Time: 2:00 Hrs.

- Functions of important parts of typewriter.
- Elementary knowledge about display of letters and tabulation- margin setting, centering, headings, Subheadings.
- Knowledge of cutting stencils and use of correcting fluid.
- Simple proof correction symbols
- Standard abbreviations
- Speed development exercises.

PRACTICAL: 75 Marks

Time : 1:00 Hrs.

1- Running Matter- A speed and Accuracy Test

Marks: 30, Time 10 minutes

(A passage of 300 words @ 30 w.p.m. in English and 250 words @ 25 w.p.m. in Hindi. The same passage to be repeated if finished before time)

2- Tabulation Test

Marks: 40, Time 40 minutes

(A Tabular statements having not more than 3-4 rows columns horizontally and vertically. The same is applicable for Hindi Typewriting also) **OR**

Letter Typing

Marks: 40, Time 40 minutes

(Typing a simple latter in English or in Hindi of around 200 words)

3- Continuous Assessment (Unit Test)

Marks: 05

Note- 10 minutes time is allowed in between for adjustments of typewriters and starting of the above job (s).

2024-2025

INFORMATION TECHNOLOGY (046)

TOTAL MARKS- 100 { 50 (Theory) + 50 (Practical)}

Class – IX

THEORY:	50 Marks	Time: 2:30 Hrs.
1- IT Basics		15 Marks
2- IT Tools		35 Marks
MS-Windows		
MS-Office		
MS-Word		
MS-Power Point		
MS-Excel		

Unit 1: IT BASICS

Convergence of Technologies:

Computer System:

Characteristics of a computer, Basic applications of a computer, Components of a computer system-Central processing Unit (CPU), Visual Display Unit (VDU), Keyboard;

Concept of Memory:

Primary and Secondary Memory, RAM and ROM, Units of Memory-Byte, Kilobyte, Megabyte, Gigabyte, Terabyte Input/output Devices:

Mouse, Joy Stick, Scanner, Microphone, OCR, MICR, Light pen, Bar code Reader, Digital Camera, Printer, Speaker, Plotter.

Storage Devices :

Computer languages :

Machine Language, Assembly Language and High level Languages, Role of Assembler and Compiler.

Types of software:

System, utility and Application software with examples

Communication Technology :

Need for networking, LAN, MAN, and WAN

Data Communication Device : Modem,

Introduction to Internet.

Content:

Data, Information and multimedia;

UNIT 2 : IT TOOLS

MS-Windows:

Basic concept of an Operating system and its functions.

Introduction of Windows : Using Mouse and moving icons on the screen, My Computer, Recycle Bin, Task Bar, Start-menu and menu selection, running an application, Setting system date and time; Windows Explorer to view files, folders and directories, creating and renaming of files and folder, Opening and Closing of Windows, Minimize, Restore and Maximize forms of windows, Basic components of a Window: Desktop, Frame, Title Bar, Menu Bar, Status Bar, Scroll Bars (Horizontal and Vertical), Using right button of the Mouse, Creating Shortcut, Basic Windows Accessories: Notepad, Paint, Calculator, WordPad, using Clipboard;

MS-OFFICE

MS Word:

Introduction to a Word Processor, Creating and Saving a document, Editing and Formatting a Document; Text Style (B, I.U.), Font Type Size, changing color, alignment of text; Formatting paragraphs with line or paragraph spacing; adding headers and footers numbering pages, using grammar and spell check utilities, using subscript and superscript, inserting symbols, Print Preview, printing a document. Inserting Word Art, Clipart and Pictures, Page Setting, Bullets and Numbering, Borders and Shading, Format Painter, Find and Replace, Inserting Tables: Inserting, deleting-rows and columns, merging cells, splitting cells, using auto format: Mail Merge

MS Power Point:

Introduction to Presentation Graphics, Understanding the concept of Slide Shows, Basic elements of a slide, Different types of Slide Layouts, Creating and saving a Presentation, Different views of a slide: Normal view, Slide Sorter view and Slide Show, Editing and Formatting a slide: Adding Titles, Subtitles, Text Background, Watermark ; Headers and Footers, Numbering Slides; Inserting pictures from files, Animating pictures and Text with Sound Effects, Timing Text box, Pictures and Slides, Rehearse Timings, ungrouping and Grouping pictures from Clipart.

MS Excel:

Introduction to Spreadsheets, Concept of Worksheets and workbooks, Creating and Saving a worksheet, Working with a spreadsheet: entering numbers, text, date/time, series using Auto Fill, Editing and formatting a worksheet including changing colour, size, font, alignment of text, Inserting or Deleting cells, rows and columns, Formulae-Entering a formula in a cell, using operators (+, -, *.) (in formulae, Relative referencing, Absolute referencing and mixed referencing, Printing a worksheet. Use Simple Statistical functions: SUM(), AVERAGE(), MAX(), MIN(), IF(), (without compound statements); inserting tables in worksheet, Embedding Charts of various types: Line, Pie, Scatter, Bar and Area in a worksheet.

PRACTICAL: 50 Marks

Time: 4:00 Hrs.

S. No.	PRACTICAL WORK	MARKS	Examination Duration
1	Hands on Experience (4 Exercises)		4 Hours
	1- Windows operating System	07 Marks	
	2- MS Word	06 Marks	
	3- MS Excel	06 Marks	
	4- MS PowerPoint	06 Marks	
2	IT Application Report File	15	
3	Viva Voce	05	
4	Continuous Assessment (Unit Test)	05	
TOTAL		50	

Students are suggested to work on the following areas using MS-Word, MS-PowerPoint and MS Excel on topics implementing the tools covered in the course.

Domains :

Documentation:	Presentation :	Analysis Reporting :
<ul style="list-style-type: none">• Informal letter• Formal letter• Report Writing• Greeting card• Poster making	<ul style="list-style-type: none">• School Magazine• Environment and Pollution• Product Advertisement• Any topic specific from text book (any subject)	<ul style="list-style-type: none">• Cricket Record• Weather Report• School/Class Result

1. HANDS ON EXPERIENCE (4 Exercises)**25 Marks****Design of a Practical Question Paper**

Instructions on the basis of syllabus, distribution of marks and conduction of practical examination have been provided. The examiner is advised to set the question paper according to the prescribed curriculum and distribution of marks.

- | | |
|-----------------------------|----------|
| I. Windows Operating System | 07 Marks |
| II. MS Word | 06 Marks |
| III. MS Excel | 06 Marks |
| IV. MS PowerPoint | 06 Marks |

I. WINDOWS operating system:*

To test some of the following basic system operations on file/folder(s):

- Create
- Rename
- Copy/Cut/Paste
- Delete
- Commands related to Notepad/WordPad/Paint
- Using Clipboard

II. MS Word:*

A Paragraph in MS Word incorporating some of the tools given below to be tested during the examination -

- Editing and Formatting text and paragraph.
- Page and Paragraph Setup
- Inserting pictures and WordArt

III. MS Power Point:*

A Power Point presentation with 2/3 slides using some of the tools given below to be tested during the examination:

- Editing and formatting slides
- Inserting pictures and sounds
- Animating pictures and text with sound effects

IV. MS Excel:*

A problem in spreadsheet related to some of the tools given below to be tested during the examination (Printouts of the documents(s) should be attached with the answer sheet):

- Formatting cells and data
- Functions & Formulae (Relative, absolute and Mixed reference)
- Charts

2. IT Application Report File**15 Marks**

Students are supposed to make a IT Application Report File Containing Real life assignments/ presentations using MS Word, MS PowerPoint and MS Excel on at least 15 topics from the domain:

- At least 5 documents of MS Word
- At least 5 presentations of MS Power Point
- At least 5 spreadsheets of MS Excel with graphs

3. VIVA VOCE**05 Marks****4. Continuous Assessment (Unit Test)****05 Marks**

(There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.)

2024-2025

INFORMATION TECHNOLOGY (046)

TOTAL MARKS- 100 { 50 (Theory) + 50 (Practical)}

Class – X

THEORY:	50 Marks	Time: 2:30 Hrs.
1- IT Basics		15 Marks
2- IT Tools		35 Marks
MS-Office		
MS-Access		
HTML		

UNIT 1: IT BASICS

Internet : World Wide Web, Web Servers, Web sites, Web Pages, Web Browsers, HTML, Web address, Emailaddress, URL, HTTP.

Services available on Internet: Information Retrieval, Electronic Mails, Locating sites using search engines and finding people on the net, Chat, Video Conferencing, FTP, Downloading and Uploading files from or to remote site, Newsgroup.

UNIT 2: IT TOOLS

MS-Office

MS Access:

Basic Concepts and need for a database, Creating a database, Setting the Primary Key, Entering data into a database, Inserting and deleting fields, Inserting and deleting Records, **Data Validation:** Field Size, Default Value Validation Rule, Validation Text, Required, Allow Zero Length.

HYPER TEXT MARKUP LANGUAGE (HTML)

Basic concept of web browsers with emphasis on popular browsers Internet Explorer and Netscape Navigator.

HTML Fundamentals:

Introduction to Web Page Designing using HTML, Creating and saving an HTML document, Elements in HTML Container and Empty elements, Designing web pages using the following elements:

HTML, HEAD, TITLE, BODY (Attributes: BACKGROUND, BGCOLOR, TEXT, LINK, ALINK, VLINK, LEFTMARGIN, TOPMARGIN), FONT (Attributes: COLOUR, SIZE, FACE),

BASEFONT (Attributes: COLOUR, SIZE, FACE), CENTER, BR (Break), HR (Horizontal Rule, Attributes: SIZE, WIDTH, ALIGH, NOSHAE, COLOUR), COMMENTS, ! for comments, H1..H6 (Heading), P(Paragraph), B(Bold), I (Italics), U (Underline), UL & OL (Unordered List & Ordered List Attributes: TYPE, START, LI (List Item)), Insertion of images using the element IMG (Attributes : SRC, WIDTH, HEIGHT, ALT,ALIGN)

Internal and External Linking between Web Pages: Significance of linking, A-Anchor Element (Attributes: NAME HREF, TITLE, ALT)

PRACTICAL: 50 Marks

PRACTICAL: 50 Marks

Time: 4:00 Hrs.

S. No.	PRACTICAL WORK	MARKS	Examination Duration
1	Hands on Experience (2 Exercises) 1- MS Access 07 Marks 2- HTML 18 Marks	25	4 Hours
2	IT Application Report File	15	
3	Viva Voce	05	
4	Continuous Assessment (Unit Test)	05	
TOTAL		50	

Students are suggested to work on the following areas using Access and HTML on topics implementing the tools covered in the course.

Domains :

Database	Website Designing
<ul style="list-style-type: none">• Personal Data Management System• Employee Payroll• Stock Inventory	<ul style="list-style-type: none">• Travel and Tourism• Rural India• Environment and Pollution

NOTE

- I. Teachers are requested to demonstrate some popular software for word processing. Presentation, Spreadsheet, Database Management, System which support Hindi and/or some other Indian Language (s) (Leap Office is an example of Office suite with Indian Language support).
- II. Student are suggested to prepare some document/presentations of their It Application report file in Indian Language(s).

1. HANDS ON EXPERIENCE (2 Exercises) 25 Marks

Design of a Practical Question Paper

There is no pre-set question paper conducting practical examination. This flexibility has been provided to give more freedom to the examiners for the improvement of practical examination, keeping in view the resources and other facilities available in the laboratory of the School. However, detailed instructions on the basis of syllabus, distribution of marks and conduction of practical examination have been provided.

- I. MS ACCESS 07 MARKS
- II. HTML 18 MARKS

I. MS Access:*

A problem in MS Access related to some of the tools given below to be tested during the examination:

- Creating and entering data into a database
- Setting the primary key
- Data Validation

II. HTML*

A Problem on Web Page designing (Minimum 2 pages) to be given which will cover some of the following HTML elements:

- <HTML>, <HEAD>, <TITLE>, <BODY>
- Font Styles: , <i>, <U>

- -FACE, SIZE
- <CENTER>
- <P>-ALIGN
- <A>
-
- Comments: <!-->

The students are supposed to know the tools and style for designing domain specific WebPages from real life applications and the topic mentioned in the syllabus.

Breakup of marks (HTML)

- Visual Effect : 06
 - Linking : 04
 - Coding: 08
- * Printouts of the documents (s) should be attached with the answer sheet

2. IT APPLICATION REPORT FILE 15 Marks

Students are supposed to make a IT Applications Report File Containing Real life assignment/presentations using MS Access and HTML on topic from the domain:

Must have print outs of the following:

- Documents of MS Access (At least 5)
- HTML source code along with browser view (At least 10)

3. VIVA VOCE 05 Marks

The questions can be asked from any portion of the syllabus covered during Class IX and Class X.

4. Continuous Assessment (Unit Test)* 05 Marks

(There will be total 3 Unit Tests (two Unit Tests before half yearly examination and one after half yearly examination) and a pre-board examination to be conducted throughout the year. At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. In annual board examination, marks of the best out of 3 Unit Tests will be taken and converted to the weightage of 05 marks for the result preparation.)

NOTE-Teachers are suggested to give first-hand demonstration covering the aspects such as : Connecting to internet, Using popular Search Engines, Web Browsing, Opening E-mail accounts, Sending and Receiving E- mails, Downloading files and pictures.

Infrastructure

Following minimum infrastructure requirement is suggested keeping in view of the existing infrastructure.

Software:	Minimum hardware requirement:	Internet connection:
<ul style="list-style-type: none"> • WIN 96+ • MS-Office 95+ • Leap Office 2000 • Netscape Navigator • Internet Explorer 	<ul style="list-style-type: none"> • 486 Multimedia Machine • 16 MB RAM • 4.3 GB HDD 	<ul style="list-style-type: none"> • TCP/IP

2024-2025

कृषि विज्ञान (050)

TOTAL MARKS- 100 { 50 (Theory) + 50 (Practical)}

Class – IX

THEORY:	50 Marks	Time: 3:00 Hrs.
इकाई 1— जलवायु विज्ञान		10 अंक
इकाई 2— मृदायें		12 अंक
इकाई 3— सिंचाई एवं जल निकास		10 अंक
इकाई 4— खाद तथा उर्वरक		12 अंक
इकाई 5— कर्षण		06 अंक

इकाई 1— जलवायु विज्ञान

- क— उत्तराखण्ड तथा भारत में मौसम और ऋतुएँ।
- ख— फसलों पर अनुकूल तथा प्रतिकूल मौसम का प्रभाव।
- ग— वर्षा, उसमें वार्षिक तथा ऋतुगत परिवर्तन।
- घ— वर्षा के वितरण का फसलों तथा कृषि क्रियाओं पर प्रभाव।

इकाई 2— मृदायें

- क— मृदा निर्माण, मृदा संगठन एवं मिट्टी के भौतिक गुण।
- ख— मुख्य मृदाओं का संक्षिप्त परिचय।
- ग— मृदा जैसे पदार्थ, प्राप्ति के श्रोत, भूमि में वितरण एवं संरक्षण।
- घ— मृदा अपरदन, प्रकार एवं हानियाँ।
- ङ— भूमि संरक्षण के सामान्य उपाय।

इकाई 3— सिंचाई एवं जल निकास

- क— सिंचाई, परिभाषा, आवश्यकता एवं महत्व, सिंचाई के श्रोत।
- ख— फसलों की जलमांग, प्रभावित करने वाले कारक म्लानि बिन्दु
- ग— मृदा नमी संरक्षण की आवश्यकता एवं उपाय।
- घ— जल निकास, आवश्यकता एवं विधियाँ।
- ङ— पौधों के लिए जल का महत्व।
- च— उत्तराखण्ड के लिए उपयुक्त सिंचाई के साधन एवं विधियाँ।

इकाई 4— खाद एवं उर्वरक

- क— खाद, महत्व एवं वर्गीकरण।
- ख— पौधों की वृद्धि के लिए आवश्यक पोषक तत्व एवं उनके प्रभाव।
- ग— गोबर की खाद, कम्पोस्ट खाद, वर्मी कम्पोस्ट एवं हरी खाद।
- घ— अजैविक खाद (उर्वरक), वर्गीकरण एवं प्रकार।
- ङ— अजैविक खाद का भूमि एवं फसलों पर प्रभाव, प्रयोग विधियाँ, जैविक एवं अजैविक खादों में अन्तर।

इकाई 5— कर्षण

- क— भू-परिष्करण, उद्देश्य, उपयोगिता एवं प्रकार।
- ख— जुताई विधियाँ, भूपरिष्करण की आधुनिक विचारधारा।
- ग— उत्तराखण्ड में प्रयोग किये जाने वाले यन्त्र—बनावट एवं कार्य।

PRACTICAL: 50 Marks

Time: 3:00 Hrs.

क्र०सं०	प्रयोगात्मक कार्य/मूल्यांकन बिन्दु	अंक
1	विभिन्न प्रकार की जैविक एवं अजैविक खादों की पहचान एवं प्रयोग विधि	08
2	उर्वरक मिश्रण बनाने के लिये परिकलन की सामान्य जानकारी	06
3	विभिन्न प्रकार के कृषि यन्त्रों की पहचान एवं सामान्य उपयोग	06
4	मौसमी खरपतवार, उर्वरकों, फसल सुरक्षा सम्बन्धी रसायनों, मृदा सुधारकों की पहचान एवं प्रयोग	10
5	छात्रों द्वारा वर्षभर के प्रायोगिक कार्यों का अभिलेख तैयार करना (रिकार्ड फाइल)	10
6	मौखिक परीक्षा	05
7	सतत मूल्यांकन (इकाई परीक्षा)*	05
कुल योग		50

*सत्र में कुल 04 इकाई परीक्षाएँ होंगी (02 इकाई परीक्षाएँ अर्द्धवार्षिक परीक्षा से पूर्व तथा 02 अर्द्धवार्षिक परीक्षा के उपरान्त)। अर्द्धवार्षिक परीक्षा के परीक्षाफल निर्माण हेतु प्रथम दो इकाई परीक्षाओं (प्रथम व द्वितीय) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लिये जायेंगे तथा इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा। इसी प्रकार वार्षिक परीक्षा के परीक्षाफल निर्माण हेतु अन्तिम दो इकाई परीक्षाओं (तृतीय व चतुर्थ) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लेकर इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा।

2024-2025

कृषि विज्ञान (050)

TOTAL MARKS- 100 { 50 (Theory) + 50 (Practical) }

Class – X

THEORY:

50 Marks

Time: 3:00 Hrs.

इकाई 1— फसल चक्र एवं खेती के प्रकार	05 अंक
इकाई 2— फसलोत्पादन	12 अंक
इकाई 3— बागवानी	05 अंक
इकाई 4— फलोत्पादन	08 अंक
इकाई 5— पुष्पोत्पादन	08 अंक
इकाई 6— पशुपालन एवं दुग्धोत्पादन	12 अंक

इकाई 1— फसल चक्र एवं खेती के प्रकार

- क— फसलों का वर्गीकरण।
- ख— फसल चक्र।
- ग— शुष्क खेती।
- घ— दियारा खेती।
- ड.— मिश्रित खेती एवं बहुफसली खेती।

इकाई 2- फसलोत्पादन

- क- अनाज की फसलें- धान मक्का, मंडुआ, गेहूँ एवं जौ की खेती।
ख- दलहनी फसलें- अरहर, उड़द गहत, सोयाबीन एवं मटर की खेती।
ग- तिलहनी फसलें- तिल, सूरजमुखी, सरसों एवं लाही की खेती।
घ- सब्जी की फसलें- आलू, फूलगोभी, टमाटर, बैंगन, शिमला मिर्च एवं फरासबीन की खेती।
ङ- नकदी फसल- गन्ना की खेती।
च- चारे की फसलें- बरसीम एवं ज्वार की खेती।

इकाई 3- बागवानी

- क- बागवानी का महत्व।
ख- बाग लगाने के लिए भूमि का चुनाव करते समय ध्यान देने योग्य बातें।
ग- भूमि की तैयारी।
घ- बाग लगाने की विधियाँ।
ङ- गृहवाटिका एवं पौधों का प्रवर्धन।

इकाई 4- फलोत्पादन

- क- आम, अमरूद, लीची, सन्तरा एवं सेब की खेती।
ख- फल परिरक्षण अर्थ आवश्यकता एवं महत्व फल परिरक्षण की विधियाँ।

इकाई 5- पुष्पोत्पादन

- क- उत्तराखण्ड में पुष्पोत्पादन की आवश्यकता एवं महत्व।
ख- उत्तराखण्ड में पुष्पोत्पादन- गेंदा, गुलाब, डहेलिया एवं ग्लैडुलस की वैज्ञानिक खेती।

इकाई 6- पशुपालन एवं दुग्धोत्पादन

- क- पशुधन विकास की आवश्यकता एवं महत्व।
ख- पशुओं की सामान्य देखरेख एवं प्रबन्ध, पशुओं की सामान्य बीमारियाँ एवं उपचार, गाय, भैंस, बकरी एवं भेड़ पालन व उनकी उन्नत नस्लें।
ग- दुग्धोत्पादन सम्बन्धी सामान्य जानकारी, स्वच्छ एवं सुरक्षित दुग्ध उत्पादन, दुग्ध दोहन की विभिन्न विधियाँ।

PRACTICAL: 50 Marks

Time: 3:00 Hrs.

क्र०सं०	प्रयोगात्मक कार्य/मूल्यांकन बिन्दु	अंक
1	पहचान (बीजों, खरपतवारों व विभिन्न पशुओं के रोगोपचार में प्रयुक्त औषधियों की पहचान)	06
2	बीज शैथ्या का निर्माण (पाठ्यक्रम की विभिन्न फसलों की बीजशैथ्या तैयार करना)	12
3	फल परिरक्षण (जैम, जैली, स्कवैश, अचार व मुरब्बा बनाना)	05
4	पशु आहार की गणना करना	12
5	सत्रीय कार्य	05
6	मौखिक परीक्षा	05
7	सतत मूल्यांकन (इकाई परीक्षा)*	05
कुल योग		50

*सत्र में कुल 03 इकाई परीक्षाएँ (02 इकाई परीक्षाएँ अर्द्धवार्षिक परीक्षा से पूर्व तथा 01 अर्द्धवार्षिक परीक्षा के उपरान्त) तथा 01 प्री-बोर्ड परीक्षा होगी। अर्द्धवार्षिक परीक्षा के परीक्षाफल निर्माण हेतु प्रथम दो इकाई परीक्षाओं (प्रथम व द्वितीय) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लिये जायेंगे तथा इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा। परिषदीय परीक्षा के आन्तरिक मूल्यांकन हेतु तीन इकाई परीक्षाओं में से सर्वाधिक प्राप्तांक वाली इकाई परीक्षा के अंक लेकर इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा।
