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INFORMATICS PRACTICES

- 11) Informatic Practices : Sumita Arora
A Text Book for Class XI : Dhanpat Rai & Company
- 12) Ordinary Practical Copy : Any Publisher
Computer Science for Class-XI

DIVINITY

- 13) Book of Divinity : Sahibzada Ajit Singh Academy,
Roopnagar.
- 14) Japji Sahib : Hemkunt Press Publisher,
New Delhi
- 15) The Illustrated Ardaas : Hemkunt Press Publisher,
New Delhi

ECONOMICS

- 16) Statistics for economics : NCERT
- 17) Introductory Economics : NCERT
- 18) Statistics for economics : T.R. Jain, V.K. Global Publications Pvt. Ltd.
4323/3, Ansari Road, Darya Ganj,
New Delhi-110002.
- 19) Understanding Micro Economics : T.R Jain, V.K Global Publications Pvt. Ltd.
4323/3, Ansari Road, Darya Ganj,
New Delhi-110002.

ACCOUNTANCY

- 20) Accounts : NCERT
- 21) Accountancy : D.K. Goel, Rajesh Goel, Shelly Goel
Arya Publishers Industrial Area,
Trilokpur Road, Kala Amb- 173030,
Distt . Sirmour (H.P).

BUSINESS STUDIES

- 22) Business Studies : NCERT
Business Studies : Poonam Gandhi, V.K. Publisher V.K.
Global Publications Pvt. Ltd.
4323/3, Ansari Road, Darya Ganj,
New Delhi-110002

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SAHIBZADA AJIT SINGH ACADEMY, ROOPNAGAR

Syllabus for Class XI (COMMERCE) 2019-20

IMPORTANT INSTRUCTIONS

- 1) No student from a school affiliated to the Board shall be eligible to take the examination unless he has completed 75% of attendance counted from the opening of class XI upto the 1st of the month proceeding the month in which the examination commences in the subjects of internal assessment.
- 2) Class XI examination shall be conducted internally by the school.
- 3) The Examination would be conducted in theory as well as in practicals, depending upon the nature of the subject (s) and the marks/grades allotted shall be as prescribed in the curriculum.
- 4) Assessment of theory/practical papers in external subjects shall be in numerical scores. In addition to numerical scores, the Board will indicate grades in the marks sheets issued to the candidates in case of subjects of external examinations.
- 5) In order to be declared as having passed the Class XI Examination a candidate shall obtain 33% marks in all the subjects. The pass marks in each subject of examination shall be 33%. In case of subject involving practical work a candidate must obtain 33% marks in theory and 33% in practical separately in addition to 33% marks in aggregate in order to qualify in that subject.
- 6) A candidate may offer an additional subject which can be either a language at elective level or another elective subject as prescribed in the Scheme of Studies, subject to the conditions laid down in the Pass Criteria.
- 7) Admission to class XI in a school shall be open only to such a student who has:
 - (a) Obtained minimum Grade D in at least five subject of external examination as per the scheme of studies and a Qualifying Certificate at the Secondary School (Class X) Examination conducted by this Board/Senior Secondary School affiliated to this Board.
 - (b) Has passed an equivalent examination conducted by any other recognised Board of Secondary Education/Indian University and recognised by this Board as equivalent to its secondary school examination..

- 8) In all subjects examined by the Board, a student will be given one paper each carrying 100 marks for 3 hours. However, in subjects requiring practical examination, there will be a theory paper and a practical examination as required in the syllabi and courses.
- 9) A candidate failing in one of the five subjects of external examination shall be placed in compartment in that subject provided he/she qualifies in all the subjects of internal assessment.
- 10) There will be weekly tests on **Monday** – No Test, **Tuesday** – Maths/ Bio., **Wednesday** – Physics, **Thursday** – Chemistry, **Friday** – English/(Physical Education/ IP / Punjabi)
- 11) **Subject Code Numbers English** – 301, **Mathematics** – 041, **Phy. Edu.** – 048, **Biology** – 044, **Physics** – 042, **Chem.** – 043, **IP** – 65, **Punjabi** - 104
- 12) For Class XI, there will be Annual System of Examinations consisting of two unit tests (i.e. monthly tests in July and January), Cumulative exams. (i.e. half yearly in Sept.), and final exam in March. .

SUBJECTS OF STUDIES & SCHEME OF EXAMINATIONS

The learning areas will include the following subjects of studies:
Details of question papers, marks and duration are given below:

Sr. No.	Subject	Code No.	No. of Question Papers (Theory)	Max. Marks	Duration	Max. Marks (Theory)	Duration	Max. Marks (Practical)	Duration	Suggestive Pds. Per Week
1.	Language I (English Core)	301	1	100	3 hrs.	-	-	-	-	6
2.	Language II Pbi./ Hindi Core	104/302	1	100	3 hrs.	-	-	-	-	6
3.	Economics	30	1	100	3 hrs.	-	-	-	-	12
4.	Accountancy	055	1	100	3 hrs.	-	-	-	-	12
5.	Bus. Studies	054	1	100	3 hrs.	-	-	-	-	12
7.	Informatics Practices	065	1	100		70	3 hrs.	30	3 hrs.	12
8.	Physical Education	048	1	100		70	3 hrs	30	3 hrs	6
9.	Environmental Education		1	100		70	3hrs	30	3 hrs	6

Assessment in the following subjects will be undertaken by the school in terms of grades on a five-point scale.

	Suggestive Pds. Per Week
General Studies (G.K.)	3
Work Experience (Vocational Education)	2+2*
Physical & Health Education	2

* Time expected to spent outside school hours.

RECOMMENDED BOOKS

ENGLISH CORE : (CODE NO. 301)

- | | |
|-----------------------------------|---|
| 1) Hornbill – Text Book | : Published by N.C.E.R.T. New Delhi. |
| 2) Snapshots-Supplementary Reader | : Published by N.C.E.R.T. New Delhi. |
| 3) BBC | : Brajindra Book Company, 21 Chhoti Market, Model Town, Karnal-132001 |

MATHEMATICS (Code No. 041)

- | | |
|----------------|---------|
| 4) Mathematics | : NCERT |
|----------------|---------|

PUNJABI (Code No. 104)

- | | |
|---------------|---------------------------------|
| 5) ਕਾਵ ਰੰਗ | : Vichar Publication, Bikrampur |
| 6) ਵਾਰਤਕ ਰਚਨਾ | : Vichar Publication, Bikrampur |
| 7) ਰਿਸਤੇ ਨਾਟਕ | : Vichar Publication, Bikrampur |

PHYSICAL EDUCATION

- | | |
|--|--|
| 8) Physical Education | : SP Text Books, N.D 413, Sharda Nand Street, Adda Hoshiarpur, Jalandhar (Pb.) |
| 9) Physical Education Practical Notebook, For XI Classes | : SP Text Books, N.D 413, Sharda Nand Street, Adda Hoshiarpur, Jalandhar (Pb.) |

ENVIRONMENTAL EDUCATION

- | | |
|--|---------------------------------------|
| 10) A Textbook of Environmental Education for Class-XI | : Goyal Brothers Prakashan New Delhi. |
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UNIT-I: SETS AND FUNCTIONS

Sets	20
Relations & Functions	20
Trigonometric Functions.	20

UNIT-II: ALGEBRA

Principle of Mathematical Induction	10
Complex Numbers and Quadratic Equations	15
Linear Inequalities	15
Permutations & Combinations	10
Binomial Theorem	10
Sequence and Series.	10

UNIT-III: COORDINATE GEOMETRY

Straight Lines	09
Conic Sections	20
Introduction to Three-dimensional Geometry.	10

UNIT-IV: CALCULUS

Limits and Derivatives	30
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UNIT-V: MATHEMATICAL REASONING

Mathematical Reasoning	10
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UNIT-VI: STATISTICS & PROBABILITY

Statistics	15
Probability	13

Internal Assessment: 20 Marks

- **Periodic Tests(Best 2 out of # Tests Conducted) 10 Marks**
- **Mathematics Activities 10 Marks**

Month wise syllabus:

Subject	April	May	June- July	Aug	Sept.
Maths	1. Sets	1. Principle of mathematics Induction 2. Complex Numbers 3. Linear inequalities	1. Binomial Theorem 2. Permutation & Combinations 3. Relation & functions	1. Stastics 2. Probability	Revision + Exam

Oct.	Nov.	Dec.	Jan
1. Straight 2. Conic Sections	1. Introduction to three Dimension 2. Mathematics Reasoning	1. Trigonometry	1. Sequence & Series 2. Limits & Derivatives

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English Core (Code No-301)

One Paper Three Hours Marks: 100

A	Reading Skills	20
B	Writing Skills and Grammar	30
C	Literary Text books and long reading text/novel	30
D	Assessment of speaking and listening skills will be for 20 marks. It is recommended that listening & speaking skills should be regularly practice in the class.	20

SECTION - A

READING COMPREHENSION 45 Periods

- **Very short answer +/- Short answer and MCQ type questions:**
There shall be two unseen passages (including poems) with a variety of questions like objective type questions and Multiple choice questions, including 04 marks for vocabulary such as word formation and inferring meaning.
Multiple Choice Questions (1 X 6 =6 marks), objective type Questions (1 X 6 =6 marks), 01 short answer questions(3 X 1 = 3 marks), 01 long answer question (5 X 1 = 5 marks)
The range of the two passages including a poem or a santza , should be 900 -1000 words as per the following details:
1. The passage of 550-600 words in length will be used for note-making and summarising.
2. The passage of 350-400 words in length will be used to test comprehension, interpretation and Inference.
An unseen poem of 28-35 lines to test comprehensive, interpretation and inference.
The passages as given above could be of any one of the following types:
- **Factual passages**, e.g., illustrations, description, reports
- **Discursive passages** involving opinion, e.g., argumentative, persuasive
- **Literary passages** e.g. extracts from fiction, biography, autobiography, travelogue, etc. In the case of a poem, the text may be shorter than the prescribed word limit.

SECTION B

WRITING SKILLS AND GRAMMAR

Writing 60 Periods

Short Answer Questions: Based on notice/ poster/ advertisement 04 Marks

- **Two Long Answer Questions:** Letters based on verbal/visual input.
- **It would cover all types of letters. Letter types may include:**
 - (a) business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies)
 - (b) letters to the editor (giving suggestions/opinions on an issue)
 - (c) application for a job with a bio-data or resume
 - (d) letter to the school or college authorities, regarding admissions, school issues, requirements/ suitability of courses, etc.
- **Very Long Answer Question:** Composition in the form of article, speech, report writing or a Narrative- **08 Marks**

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GRAMMAR

Different grammatical structures in meaningful contexts will be tested. Item types will include gap filling, sentence re-ordering, dialogue completion and sentence transformation. The grammar syllabus will include determiners, tenses, clauses, modals and Change of Voice. These grammar areas will be tested through 06 objective **type questions on the following:**

- Error Correction, editing tasks,
- Re - ordering of sentences,
- Transformation of sentences

SECTION C

LITERATURE

70 Periods

Questions from the prescribed texts to test comprehension at different levels: literal, inferential and evaluative will be asked.

1. **Two Objective type Questions out of three** - Based on an extract from poetry to test reference to context comprehension and appreciation. - (1 X 2 = 2 Marks)
- **Five Short Answer Questions out of six**-(3 questions should be from Hornbill) Based on prose, poetry and plays from both the texts. - (2 X 5 = 10 Marks)
- **One Long Answer Question out of two from Hornbill** –(to be answered in 120-150 words) Based on prescribed texts to test global comprehension and extrapolation beyond the texts. - (6 Marks)
- **One Long Answer Questions out of two from Snapshots** – (to be answered in 120-150 words) Based on theme, plot, incidents or events to test global comprehension and extrapolation beyond the texts. - (6 Marks)
- **One Long Answer Question out of two from Hornbill** - – (to be answered in 120-150 words) Based on understanding appreciation, analysis and interpretation of the characters/ events/ episodes/ incidents.

Month Wise Syllabus

April	May	June- July
L-1 (Hornbill) L-1, 2 (Snapshot), Writing Skill- Notice, Article, Letter to editor, Grammar – determiners	L-2 (Hornbill),L-3 (Prose+ Poem) L-3 (Snapshot), Writing Skill- poster, Adv. Grammar – Tenses, Modals	L-4 (Hornbill) (Prose+ Poem) L-4 (Snapshot), Writing Skill-Palcing an order & sending, replies, Complaint Letter Grammar –Modals, Preposition, Active/Passive

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v. ਪਿੰਗਲ ਦੇ ਰੂਪ ਅਤੇ ਵਿਆਕਰਨ 20

1. ਅਲੰਕਾਰ- ਅਨੁਪਾਸ, ਰੂਪਕ, ਉਪਸਾ (ਪਰਿਭਾਸ਼ਾ ਤੇ ਉਦਾਹਰਨ (ਛੋਟੇ ਪ੍ਰਸ਼ਨ)) 4
2. ਰਸ- ਸਿੰਗਾਰ ਰਸ, ਰਾਸ ਰਸ, ਕਰੁਣਾ ਰਸ (ਪਰਿਭਾਸ਼ਾ ਤੇ ਉਦਾਹਰਨ (ਛੋਟੇ ਪ੍ਰਸ਼ਨ)) 4
3. ਅਲੰਕਾਰ ਤੇ ਰਸ (ਬਹੁਵਿਕਲਪੀ) 3
4. ਅਖਾਣ- ਓ ਤੋਂ ਹ ਤੱਕ (1) ਅਖਾਣ (ਛੋਟੇ ਪ੍ਰਸ਼ਨ) (2) ਅਖਾਣ (ਬਹੁਵਿਕਲਪੀ) 5
5. ਸ਼ਬਦ ਸ਼ੁੱਧੀ 5

(1) ਅਸ਼ੁੱਧ ਸ਼ਬਦਾਂ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨਾ (ਛੋਟੇ ਪ੍ਰਸ਼ਨ)

(2) ਸ਼ੁੱਧ ਸ਼ਬਦ ਚੁਣੇ

ਨਿਰਧਾਰਕ ਪੁਸਤਕਾਂ

Punjabi	April	May	June	July
ੳਿ-ੳਕ੍ਯਿਹ	r[o] okwɔk; ih	r[o] r'fɔpzd;fɔz ih	p[ZbQ] ਸ਼ਾਹ	
ਰਿਸ਼ਤੇ	-	-	ਪੜ੍ਹਨਾ	
ਵਾਰਤਕ ਰਸਮਾਂ	gkm- 0-1	gkm- 2	gkm- 3	gkm-5
ਵਿਆਕਰਨ	ਅਲੰਕਾਰ	ਰਸ		
ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਰੂਪ	---	ਕਵਿਤਾ	---	---

Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
ਚਰਨ ਸਿੰਘ ਸ਼ਹੀਦ, ਪ੍ਰੋ : ਮੋਹਨ ਸਿੰਘ	Exam + R vision	ਵਾਰਿਸ਼ ਸ਼ਾਹ	ਚਰਨ ਸਿੰਘ ਸ਼ਹੀਦ	ਬਚਨ ਬੋਦਿਲ	
Revision		gkm 04	gkm 05	ਪਾਠ 06	ਪਾਠ 12
fɪnkeoB		fɪnkeoB	fɪnke-oB	fɪnke-oB	fɪnke-oB
ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਰੂਪ	--	--	ਨਾਟਕ	--	--

MATHEMATICS (CODE NO-041)

One Paper

Three hours

80 marks

Units

- I. Sets and Functions
- II. Algebra
- III. Coordinate Geometry
- IV. Calculus
- V. Mathematical Reasoning
- VI. Statistics and Probability

Marks

- 23
- 30
- 10
- 05
- 02
- 10

Total

80

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**PUNJABI
CODE NO.-104**

One Paper

3 Hours

Marks 100

ਭਾਸ਼ਾ	ਅੰਕ	ਪੀਰੀਅਡ
ਇਕਾਈ /ਸਿੱਖਣ ਦਾ ਖੇਤਰ		
ਭਾਸ਼ਾ		
(ੳ) ਅਡਵਾਂਸ ਪੜ੍ਹਨ ਕੌਸ਼ਲ	05	10
(ਅ) ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ ਕੌਸ਼ਲ	15	25
(ੲ) ਫਿਨਕੋB	20	40
(ਸ) ਸਾਹਿਤ	40	85
(ਹ) ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ (ਪ੍ਰੋਜੈਕਟ (10), ਸੁਣਨ, ਬੋਲਣ ਤੇ ਅਧਾਰਿਤ (5), ਲਿਖਤੀ(5))	20	

ਸਾਹਿਤ

ਅੰਕ ਪੀਰੀਅਡ

40

1. ਕਵਿਤਾ ਅਤੇ ਨਾਟਕ

ਦਿੱਤੀਆਂ ਗਈਆਂ ਦੋ ਕਾਵਿ ਟੁਕੜੀਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ

06

2. ਵਾਰਤਕ

ਦਿੱਤੇ ਗਏ 7 ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਕਿਸੇ 5 ਦੇ ਉੱਤਰ ਦੇਣੇ

10

3. ਨਾਟਕ

ਨਾਟਕ ਦੇ ਵਿਸ਼ੇ ਵਸਤੂ, ਪਾਤਰ ਚਿਤਰਨ ਅਤੇ ਕਥਾਨਕ ਸੰਬੰਧੀ ਦਿੱਤੇ 2 ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਇੱਕ ਹੱਲ ਕਰਨਾ।

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I. 4 ਪ੍ਰਸ਼ਨ

ਇਹ 8 ਪ੍ਰਸ਼ਨ ਗੁਕਮ-ਪੁਸਤਕ ਕਾਵਿ ਰੰਗ

(1 x 4 = 4)

II. ਅਤਿ ਛੋਟੇ 4 ਪ੍ਰਸ਼ਨ

ਅਤੇ ਵਰਕ ਰਿਸ਼ਮਾਂ ਵਿੱਚੋਂ

(1 x 4 = 4)

III.

II. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਰੂਪ

- ਕਵਿਤਾ ਅਤੇ ਨਾਟਕ (ਵਿਕਾਸ ਤੇ ਨਿਕਾਸ)

08

ਭਾਸ਼ਾ

40

III. ਅਡਵਾਂਸ ਪੜ੍ਹਨ ਕੌਸ਼ਲ

20

ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਇੱਕ ਅਣਡਿੱਠਾ ਪੈਰਾ ਤੇ ਉਸ ਨਾਲ ਸੰਬੰਧਤ 5 ਪ੍ਰਸ਼ਨ

IV. ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ ਕੌਸ਼ਲ

ਇਸ ਵਿੱਚ ਵੱਖ-ਵੱਖ ਪ੍ਰਸ਼ਨ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਪਰਖੇ ਜਾਣਗੇ

1 ਅਖ਼ਬਾਰਾਂ ਲਈ ਰਿਪੋਰਟ ਰਚਨਾ (100 ਸ਼ਬਦ) (ਚੋਣ ਅਧਾਰਿਤ)

2. ਸਮਾਜਿਕ, ਸੱਭਿਆਚਾਰਕ ਅਤੇ ਮਨੋਰੰਜਨ ਵਿਸ਼ੇ 200-250 ਸ਼ਬਦਾਂ

ਵਿੱਚ ਲੇਖ ਲਿਖੋ। (ਚੋਣ ਅਧਾਰਿਤ)

Month wise syllabus:

Oct.	Nov.	Dec.
L-5, L-6 (Prose+ Poem) (Hornbill), L-5 (Snapshot) Grammar – Practice from BBC (clauses) error correction, re-ordering, Transformation of sentence. Writing Skill- Letter (Making enquires) speech	L-7(Hornbill), L-6 (Snapshot), Writing Skill- 1) Asking for and giving information (letter), 2) Report Writing. Grammar – Practice from BBC	L-8(Hornbill), L-7,8 (Snapshot), Writing Skill- Job application, Letter to School/ College regarding admission, School issues, requirement, suitability of courses.

ECONOMICS – 030

Paper 1

3 Hours

80 Marks

UNITS	MARKS	PERIODS
PART-A Statistics For Economics		
1. introduction	13	07
2. Collection, Organisation and Presentation of Data		27
3. Statistical Tools and Interpretation	27	66
	40	100
PART-B Introductory Microeconomics		
Introduction	4	8
Consumer's Equilibrium and Demand	13	32
Producer Behaviour and Supply	13	32
Forms of Markets and Price Determination under perfect competition with simple application	10	28
	40	100
PART-C PROJECT WORK	20	20

Theory:- 80 Marks

Project:- 10 Marks

Assignment:- 10 Marks

Part A: Statistics for Economics

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data.

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Unit 1: Introduction

What is Economics?

Meaning, scope and importance of statistics in Economics

07 Periods

Unit 2: Collection, Organisation and Presentation of data

27 Periods

Collection of data - Sources of data - primary and secondary; how basic data is collected; with concepts of sampling; sampling and non-sampling errors, methods of collecting data; Some important sources of secondary data: Census of India and National Sample Survey Organisation.

Organisation of Data: Meaning and types of variables; Frequency Distribution.

Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and give) and (iii) Arithmetic line graphs (time series graph).

Unit 3: Statistical Tools and Interpretation

66 Periods

(For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived)

Part B: Introductory Microeconomics

Unit 4 : Introduction

Meaning of microeconomics and macroeconomics ; positive and normative economics

What is an economy? Central problem of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost.

Unit5 : Consumer's Equilibrium and Demand

Consumer's Equilibrium- meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis.

Indifference curve analysis of consumer's equilibrium the consumer's budget(budget set and budget line), preference of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.

Demand market demand, determinants of demand, demand schedule, demand curve and its slope, movement

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Month Wise Syllabus

Subject	April	May	June-July	Aug	Sept.	Oct.	Nov.	Dec.
Information Practices	Unit-I (L-1,2)	Unit-I,II (L-3,4)	Unit-II (L-5,6,7,11)	Unit-II (L-8, 9,10)	Revision Exam	Unit-III (L-10, 11,12)	Unit-IV (L-13,14,15) Unit-IV IT Application	Unit-IV (L-16, 17,18)

Note: Class Tests are must to be taken Fortnightly. Revision should be done side by side

ENVIRONMENTAL EDUCATION

One Paper (Theory)

Three Hours

70 Marks

Unit:

1. Man and Environment
 2. Environment and Development
- Unit: 3 & 4 are not in syllabus.

PRACTICAL

30 Marks

DIVINITY

Ardaas, Mool Mantar, Japji Sahib, Assembly Morning Prayer

along and shift in the demand curve; price elasticity of demand- factors affecting price elasticity of demand; measurement of price elasticity of demand- percentage-change method.

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Practical 3: Labelled diagram of field & equipment of any one game of your choice out of the above list.

Practical 4: Explanation & list of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratan Award)

Practical 5: Pictorial presentation of any five Asanas for improving concentration.

Month Wise Syllabus

Sub	April	Ma y	June-July	Aug	Sept	Oct	Nov	Dec
Phy Edu	U-1,2	U-3	U-4,5	U-6	Exam	U-7,8	U-9,10	U-11,12

INFORMATION PRACTICES (CODE NO-065)

Unit	Unit Name	Marks	Period	
		Theory	Theory	Prac.
1.	INTRODUCTION TO COMPUTER SYSTEM	05	03	02
2.	INTRODUCTION TO PYTHON PROGRAMMING	30	45	35
3.	DATA HANDLING	10	20	15
4.	DATA MANAGEMENT	15	30	20
5.	SOCIETY, LAW AND ETHICS	10	10	00
		70	108	72

PRACTICALS
Evaluation of Practical Examination

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Unit 6: Producer Behaviour and Supply

Meaning of Production Function- Short-Run and long-Run

Total Product, Average Product and Marginal Product.

Returns to a Factor

Cost: Short run costs- total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships. Revenue- total, average and marginal revenue-meaning and their relationship. Producer's equilibrium-meaning and its condition in terms marginal revenue-marginal cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shift in supply curve, price elasticity; measurement of price elasticity of supply- percentage-change method.

Units 7: forms of Market and Price Determination UNDER Perfect Competition with simple application

Perfect competition- Features; Determination of market equilibrium and effect of shifts in demand and supply.

Other market Forms- monopoly, monopolistic competition, oligopoly- their meaning and features.

Simple Application of Demand and Supply : Price ceiling, price floor.

Part C: Project in Economics

20 Periods

Month wise syllabus:

Subject	April	May	June - July	Aug.	Sept.	Oct.	Nov.	Dec.
Economics	L-1	L-2,3	L-4,5	L-6	Exams + Revision	L-7,8	L- 9,10,11	L-12,13
Statistics	L-1	L-2,9	L-3,4	L-10	Exams + Revision	L-5,11	L-6,7, 12	L-8, 13

S.No.	Description	Marks
1	Problem solving using arithmetic operations, conditional statements and iterations with the help of a Python program 60% logica + 20% documentation + 20% code Quality. (To be tested on the day of the final exam)	6
2	Problem Solving using numPy (To be tested on the day of the final exam)	4
3	SQL- 5 Queries based on single table (To be tested on the day of the final exam)	5
4	Record File <ul style="list-style-type: none"> Minimum 20Python Programs Minimum 20SQL Queries 	6
5	Viva Voce	4
6	Project using the concepts learnt in the course	5
	Total	30

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BUSINESS STUDIES – XI (CODE NO. 054)

One Paper

3 Hours

100 Marks

Units		Periods	Marks
Part A: Foundations of Business			
1.	Nature and Purpose of Business	18	16
2.	Forms of Business Organizations	24	
3.	Public, Private and Global Enterprises	18	14
4.	Business Services	18	
5.	Emerging Modes of Business	10	10
6.	Social Responsibility of Business and Business Ethics	12	
		100	40
Part B: Finance and Trade			
7.	Sources of business finance	30	20
8.	Small Business	16	
9.	Internal Trade	30	20
10.	International Business	14	
11.	Project Work	30	20
		120	40

A Part: Foundations of Business (Periods 104)

Unit 1: Nature and Purpose of Business

(Periods 18)

- Concept and characteristics of business
- Business, profession and employment - distinctive features
- Objectives of business - economic and social, role of profit in business
- Classification of business activities: Industry and Commerce

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UNIT-VIII

Fundamental of Anatomy and Physiology & Kinesiology in Sports

- Definition and importance of Anatomy, Physiology and Kinesiology
- Function of skeleton system, Classification of bones and types of joints
- Properties and functions of Muscles
- Function and structure of Respiratory System and circulatory System
- Equilibrium- Dynamic & Static and Centre of Gravity and its application in Sports

UNIT-IX

Psychology & Sports

- Definition and importance of psychology in Physical Education and Sports
- Define and differentiate between 'Growth and Development'
- Developmental characteristics at different stages of Development
- Adolescent problems and their management

UNIT-X

Training and Doping in Sports

- Meaning and Concept of Sports Training
- Principles of Sports Training
- Warming up and limbering down
- Skill, Technique and Style
- Concept & classification of doping
- Prohibited Substances & their side effects
- Dealing with alcohol and substance abuse

Practical

**Max. Marks 30
No. of Periods 60**

01 Physical Fitness (TEST)

06 Marks

02 Proficiency in Games and Sports

07 Marks

*(Skill of any one individual Game of choice from the given list**)*

03 Yogic Practices

07 Marks

04 Record File**

05 Marks

05 Viva Voce (Health/ Games & Sports/ Yoga)

05 Marks

Record fill shall include:

- Industry - types: primary, secondary, tertiary
- Commerce: Trade and Auxiliaries
- Business risks - nature and causes.

Unit 2: Forms of Business Organisations (Periods 24)

- Sole Proprietorship -concept, merits and limitations.
- Partnership: concept, types, merits and limitations, types of partners;
- Hindu Undivided Family Business: Concept
- Cooperative Societies: features, types, merits and limitations
- Company: Concept, merits and limitations; types: Private and Public-Concept
- Formation of company-stages, important document
- Choice of form of business organizations

- Practical 1: Labelled diagram of 400M Track & Field with computations.*
Practical 2: Computation of BMI from family or neighbourhood & graphical representation of the data.
Practical 3: Labelled diagram of field & equipment of any one game of your choice out of the above list.
Practical 4: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratan Award)
Practical 5: Pictorial presentation of any five Asanas for improving concentration.

Month Wise Syllabus

Sub	April	May	June-July	Aug	Sept	Oct	Nov	Dec
Phy Edu	U-1,2	U-3	U-4	U-5	Exam	U-6,7	U-8,9	U-10

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Month wise syllabus:

Subject	April	May	June - July	Aug.	Sept.	Oct.	Nov.	Dec.
Accounts	Unit-1 L-1,2	Unit-2 L-1,2,3, 4,5	Unit- 1 L-3,4,5	Unit-2 L-6,7	Exams	Unit- 2 L-8,9,10	Unit-1,2, 3	Unit-4

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Unit 3: Public & Private & Global Enterprises (Periods 20)

- Public Sector and Private Sector
- Forms of organising public sector enterprises : features, merits and limitations of following:
 - Departmental Undertaking
 - Statutory Corporation
 - Government Company
 - Changing role of public sector
 - Global Enterprises: features.
 - Joint ventures- features.

Unit 4: Business Services (Periods 18)

- Nature and types of Business services - Banking, Insurance, Transportation, 'Ware housing, Communication.
- Banking — types of Banks, Functions of Commercial banks. E— banking
- Insurance — principles, types: Life, fire and marine
- Warehousing: types and functions
- Postal and Telecom services

Unit 5: Emerging Modes of Business (Periods 10)

- F-Business - Scope and benefits. Resources required for successful c-business implementation, On-line transactions. payment mechanism, security and safety Business transactions.
- Outsourcing- concept, need and scope.

Unit 6: Social Responsibility of Business and Business Ethics (Periods 12)

- Concept of social responsibility.
- Case for social responsibility;
- Responsibility towards owners, investors, employees, consumers, government and community

PHYSICAL EDUCATION

Theory

(Code No.-048)

70 Marks

UNIT-I Changing Trends and Career in Physical Education

- Meaning & definition of Physical Education
- Aims & Objectives of Physical Education
- Career option in Physical Education
- Competitions in various sports at national and international level
- Khelo-India Program

UNIT-II Olympic Value Education

- Olympics, Paralympics and special Olympics
- Olympic Symbols, Ideals, Objectives and values of Olympism
- International Olympic committee
- Indian Olympic Association

UNIT-III Physical Fitness, Wellness and Lifestyle

- Meaning and importance of Physical Fitness, Wellness and Lifestyle
- Components of Physical Fitness and Wellness
- Components of Health related fitness.

UNIT-IV Physical Education & Sports for Differently Abled

- Aims & objectives of Adaptive Physical Education
- Organization promoting Adaptive Sports (Special Olympics Bharat; Paralympics; Deaflympics)
- Concept of Inclusion, its need and Implementation
- Role of various professionals for children with special needs (Counsellor, occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & special Educator)

- UNIT-V Yoga**
- Meaning and Importance of Yoga
 - Elements of Yoga
 - Introduction to-Asanas, Pranayam, Meditation and Yogic Kriyas
 - Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Shashankasana, Naukasana (Tree Pose), Garudasana (Aagle pose))
 - Relaxation Techniques for improving concentration –Yog-nidra
- UNIT-VI Physical Activity & Leadership Training**
- Leadership Qualities & role of a leader
 - Creating leaders through Physical Education
 - Meaning, objectives & types of Adventure Sports (Rock Climbing, Tracking, River Rafting Mountaineering, Surfing and Para Gliding
 - Safety measures to prevent sports injuries
- UNIT-VII Test and Measurement & Evaluation**
- Define Test, Measurement & Evaluation
 - Importance of Test, Measurement & Evaluation in Sports
 - Calculation of BMI & Waist –Hip Ratio
 - Somato Types (Endomorphy, Mesomorphy & Ectomorphy)
Measurement of health related fitness

- Environmental protection and business
- Business ethics: concept and elements.

Unit 7: Sources of Business Finance

(Periods 30)

- Nature and significance of business finance
- Owner’s funds and borrowed funds
- Sources of raising Finance:
 - Equity and Preference shares
 - Debentures and Bonds
 - Loan from Financial Institutions

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- Retained Profits
- Global Depository Receipt, American Depository Receipt
- Loans from commercial Banks
- Public deposits
- Trade Credit

Unit 8: Small Business: (Periods 16)

- Small Scale Industry: Tiny Sector; cottage and rural industry.
- Role of small business in rural India.
- Problems of small business in India.
- Government Assistance and Special Schemes for Industries in rural, backward and hilly areas.
- Government Assistance and Special Schemes for Industries in rural, backward and hilly areas.

Unit 9: Internal Trade (Periods 30)

- Internal trade; types: wholesale and retail trade.
- Services of a wholesaler and a retailer
- Types of Retail Trade:
 - Itinerant retailers and fixed shops.
 - Departmental store, supermarket, malls, chain store, mail order business, consumer’s Cooperative store.
 - Automatic Vending Machine
- Role of Chamber of Commerce and Industry in promotion of internal trade.

Unit 10: International Business (Periods 14)

- Nature, Importance and complexities involved in International Business;
Ways of entering into international Business. Export-Import Procedures and documentation.

- (xiii) Study of weekly bazaar in a locality.
 - (xiv) Study of franchise retail store.
 - (xv) Study of export/import procedure of any article.
 - (xvi) Problems of women entrepreneurs in business.
 - (xvii) Survey of waste/garbage disposal by a business enterprise
 - (xviii) Study of pavement trade.
- Prepare a scrapbook and collect articles on the changing role of public sector and any other topics related to the syllabus. -

Marks may be suitably distributed over the different parts of the Project Report

1. Objectives
2. Methodology
3. Conclusions - findings and suggestions

Month wise syllabus:

Subject	April	May	June - July	Aug.	Sept.	Oct.	Nov.	Dec.
Buss. Stu.	Unit-1	Unit-2, 3	Unit-4, 5	U-5,6 Revision	Exams	Unit- 7	Unit-8, 9	Unit-10, 11

ACCOUNTANCY - XI (CODE – 055)

One Paper

3 Hours

Theory = 80 Marks

Practical = 20 Marks

Units	Periods	Marks
Part A: Financial	Unit-1: Theoretical Framework	25
		12

Foreign Trade Promotion. Organizational support and incentives; Nature and importance of Export Processing Zone/Special Economic Zone; International Trade Institutions and Agreement: WTO, UNCTAD, World Bank, IMF.

Unit 11: Project Work

Suggestive/Illustrative Projects

(Periods 30)

Any one of the following:

- (i) Find out from local sample business unit (s) the various objectives they pursue.
- (ii) Problems of setting up and running business units.
- (iii) Enquiry into the ethics of running business through questionnaires.
- (iv) Survey of quality of bank services in the local branch office.
- (v) Study of postal and courier mail services.
- (vi) Availability and use of agency services, advertising, packaging, investments in savings schemes, etc.
- (vii) Survey of the popularity of credit cards issued by different banks.
- (viii) Study the profile of a sole trader/partnership commenting on the nature and working of business.
- (ix) Study of a Joint Hindu family business.
- (x) Study of the working of any cooperative society.
- (xi) Study of a small business unit regarding source of finance.
- (xii) Study of nature of small traders (like hawkers and pedlars in a specific locality) with reference to types of goods, capital investment, turnover

Accounting-I	Unit-2: Accounting Process	15	40
		130	52
Part B: Financial Accounting-II			
	Unit-3: Financial Statements of Sole Proprietorship from Complete and Incomplete Records	55	20
	Unit-4: Computers in Accounting	15	08
		70	28
Part C: Project Work (any one)	1. Collection of source, preparation of vouchers, recording of transactions with the help of vouchers.	20	20
	2. Preparation of Bank Reconciliation Statement with the given cash book and the pass book with twenty to twenty-five transactions.		
	3. Comprehensive project of any sole proprietorship business. This may state with journal entries and their lodgering, preparation of Trial balance. Trading and Profit and Loss Account and Balance Sheet. Expenses, income and profit (loss), assets and liabilities are to be depicted using pie chart/ bar diagram		