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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) 2021-22

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.

General Studies (G.K.)

Work Experience (Vocational Education)

Physical & Health Education

* Time expected to spent outside school hours.

**Suggestive Pds.
Per Week**

3

2+2*

2

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) | ਚਿਸਤੋ 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:**
 - business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies)
 - letters to the editor (giving suggestions/opinions on an issue)
 - application for a job with a bio-data or resume
 - 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- ਸ਼ਿੰਗਾਰ ਰਸ, ਹਾਸ 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
ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ

Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
ਗੁਰਮਤਿ	Exam + R vision	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
Revision		ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
ਗੁਰਮਤਿ		ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ	ਗੁਰਮਤਿ
ਗੁਰਮਤਿ	--	--	ਗੁਰਮਤਿ	--	--

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		
(ੳ) ਅਡਵਾਂਸ ਪੜ੍ਹਨ ਕੌਸ਼ਲ	05	10
(ਅ) ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ ਕੌਸ਼ਲ	15	25
(ੲ) ਸਾਹਿਤ	20	40
(ਸ) ਸਾਹਿਤ	40	85
(ਹ) ਅੰਤਰਿਕ 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। 08

I. 4 ਪ੍ਰਸ਼ਨ ਇਹ 8 ਪ੍ਰਸ਼ਨ gkm-ਪੁਸਤਕ ਕਾਵਿ ਰੰਗ (1 x 4 = 4)

II. ਅਤਿ ਛੋਟੇ 4 ਪ੍ਰਸ਼ਨ ਅਤੇ vwrqk 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
	2. Collection, Organisation and Presentation of Data	27
	3. Statistical Tools and Interpretation	27
		40
PART-B	Introductory Microeconomics	
	Introduction	4
	Consumer's Equilibrium and Demand	13
	Producer Behaviour and Supply	13
	Forms of Markets and Price Determination under perfect competition with simple application	10
		40
PART-C	PROJECT WORK	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 provid