

PHYSICAL EDUCATION

- 12) Physical Education : SP Text Books, N.D 413, Sharda Nand Street, Adda Hoshiarpur, Jalandhar (Pb.)
- 13) Physical Education : SP Text Books, N.D 413, Sharda Nand Street, Adda Hoshiarpur, Jalandhar (Pb.)
Practical Notebook,

HISTORY

- 14) The themes of world history : NCERT

POLITICAL SCIENCE

- 15) The political theory : NCERT
The Indian constitution at work

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.
- 18) Understanding Micro Economics : T.R. Jain, V.K. Global Publications Pvt. Ltd. 4323/3, Ansari Road, Darya Ganj, New Delhi-110002.

ENVIRONMENTAL EDUCATION

- 19) A Textbook of Environmental Education for Class-XI : Goyal Brothers Prakashan New Delhi.

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.

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- 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** – Political science, **Tuesday**: Economics, **Thursday**– History, **Friday**– English/(Physical Education/ Computer/Punjabi)
- 11) **Subject Code Numbers English** – 301, **Political Science 028**, **Physical Education** – 048, **Economics-030, IP** – 065, **Punjabi** – 104, **History-027**.
- 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:

Assessment in the following subjects will be undertaken by the school in terms of grades on a

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	80	3 hrs.	-	-	-	-	6
2.	Language II Pbi./ Hindi Core	104/302	1	100	3 hrs.	-	-	-	-	6
3.	Political Sci.	028	1	100	3 hrs.	-	-	-	-	12
4.	Informatics Practices	065	1	100	3 hrs.	70	3 hrs.	30	3 hrs.	06
5.	Physical Education	048	1	100	3 hrs.	70	3 hrs	30	3 hrs	12
6.	Environmental Education		1	100	3 hrs.	70	3hrs	30	3 hrs	12
7.	History	027	1	100	3 hrs.	90	3hrs	10	1hrs	6
8.	Economics	030	1	100	3 hrs.	80	3hrs	20		12

five-point scale.

Suggestive Pds.

General Studies (G.K.)

Work Experience (Vocational Education)

Physical & Health Education

* Time expected to spent outside school hours.

Per Week

3

2+2

2

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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.

DIVINITY

Ardaas, Mool Mantar, Japji Sahib, Assembly Prayer

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 : Compecta Super TextAssignments & worksheets

PUNJABI (Code No. 104)

- 4) ਕਾਵ ਰੰਗ : Vichar Publication, Bikrampura
- 5) ਵਾਰਤਕ ਰਚਨਾ : Vichar Publication, Bikrampura
- 6) ਰਿਸਤੇ ਨਾਟਕ : Vichar Publication, Bikrampura

DIVINITY

- 7) Book of Divinity : Sahibzada Ajit Singh Academy, Roopnagar.
- 8) Japji Sahib : Hemkunt Press Publisher, New Delhi
- 9) The Illustrated Ardaas : Hemkunt Press Publisher, New Delhi

INFORMATICS PRACTICES

- 10) Informatics practices : Sumita Arora
A Text Book for Class XI Dhanpat Rai & Company.
- 11) Practical Copy : Any Publisher
Informatics practices for Class-XI

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XI HISTORY (027)

Paper one

Time: 3 hours
100 marks

S. No.	Units	Periods	Marks
1.	Introduction to World History	8	
Section A: Early Societies		40	19
2.	Introduction	7	
3.	From the beginning of time	18	
4.	Early cities	15	
Section B: Empires		50	19
5.	Introduction	7	
6.	An empire across three continents	15	
7.	Central Islamic Lands	15	
8.	Nomadic Empires	13	
Section C: Changing Traditions		50	19
9.	Introduction	7	
10.	Three orders	14	
11.	Changing cultural traditions	15	
12.	Confrontation of cultures	14	
Section D: Paths to Modernization		52	19
13.	Introduction	7	
14.	The Industrial Revolution	15	
15.	Displacing indigenous People	15	
16.	Paths to modernization	15	
	• Map work (units 1-11)	10	04
	• Project Work	10	20
Note: Value Based Question can be taken from any of the above Section-A, B, C, D---05 Marks, accordingly, teacher can reduce weightage of the corresponding sections.			
	Total	220	100 Marks

Month wise syllabus:

Subject	April	May	June-July	Aug	Sept.	Oct.	Nov.	Dec.
History	L-1	L-2,3	L-4,5	L-6	Revision	L-7	L-8,9	L-10,11

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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	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 stanza , 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.

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POLITICAL SCIENCE - 028

A Theory

3hours

Marks 80

Units	Periods	Marks
Part A: Indian Constitution at work	220	
1. Constitution : Why & How and Philosophy of the Constitution, Constitution as a Living Document	26	16
2. Rights in the Indian Constitution		
3. Election and Representation	18	08
4. The Executive	11	
5. The Legislature	11	08
6. The Judiciary	11	
7. Federalism	11	
8. Local Governments	11	08
Total	110	40

Part B: Political Theory

9. Political Theory: An Introduction	10	08
10. Freedom	11	
11. Equality	11	08
12. Justice with special reference to Social Justice	12	
13. Rights	11	08
14. Citizenship	11	
15. Nationalism	11	08
16. Secularism	11	
17. Peace	11	08
18. Development	11	
Total	110	40

B. Project Work

Marks

[20 Marks]

Grand Total = 100

Month wise syllabus:

Subject	April	May	June- July	Aug	Sept.	Oct.	Nov.	Dec.
The Political theory	L-1	L-2,3	L-4	L-5	Revision	L-6,7	L-8,9	L-10
The Constitution at work	L-1	L-2	L-3	L-4	Revision	L-5,6	L-7	L-8

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**

- | | |
|--|-----------------|
| <i>01 Physical Fitness (TEST)</i> | <i>06 Marks</i> |
| <i>02 Proficiency in Games and Sports</i>
<i>(Skill of any one individual Game of choice from the given list**)</i> | <i>07 Marks</i> |
| <i>03 Yogic Practices</i> | <i>07 Marks</i> |
| <i>04 Record File**</i> | <i>05 Marks</i> |
| <i>05 Viva Voce (Health/ Games & Sports/ Yoga)</i> | <i>05 Marks</i> |

Record fill shall include:

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

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

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.

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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

S.No.	Description	Marks
1	Problem solving using arithmetic operations, conditional statements and iterations with the help of a Python program 60% logical + 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 20 Python Programs Minimum 20 SQL Queries 	6
5	Viva Voce	4
6	Project using the concepts learnt in the course	5
	Total	30

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.

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PHYSICAL EDUCATION
(Code No.-048)

70 Marks

Theory

- 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 Aabled**
- 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

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- ਭਾਸ਼ਾ 40
- III. ਅਡਵਾਂਸ ਪੜ੍ਹਨ ਕੌਰਸਲ 20
ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਇੱਕ ਅਣਡਿੱਠਾ ਪੈਰਾ ਤੇ ਉਸ ਨਾਲ ਸੰਬੰਧਤ 5 ਪ੍ਰਸ਼ਨ
- IV. ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ ਕੌਰਸਲ
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)

- V. ਪਿੰਗਲ ਦੇ ਰੂਪ ਅਤੇ ਵਿਆਕਰਨ 20
1. ਅਲੰਕਾਰ- ਅਨੁਪਾਸ, ਰੂਪਕ, ਉਪਸਾ (ਪਰਿਭਾਸ਼ਾ ਤੇ ਉਦਾਹਰਨ (ਛੋਟੇ ਪ੍ਰਸ਼ਨ)) 4
 2. ਰਸ- ਸਿੰਗਾਰ 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 ਸੁੱਧੀ 5
 - (1) ਅਸੁੱਧ ਸ਼ਬਦਾਂ ਨੂੰ ਸੁੱਧ ਕਰਨਾ (ਛੋਟੇ ਪ੍ਰਸ਼ਨ)
 - (2) ਸੁੱਧ ਸ਼ਬਦ ਚੁਣੋ

ਨਿਰਧਾਰਕ ਪੁਸਤਕਾਂ

Punjabi	April	May	June	July
ekft-ewkjh ਰਿਸ਼ਤੇ	r[o] okwldk; ih	r[o] r'fjzld f'zix ih	p[ZbQ] ਸ਼ਾਹ 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 + Revision	ਵਾਰਿਸ਼ ਸ਼ਾਹ	ਚਰਨ ਸਿੰਘ ਸ਼ਹੀਦ	ਬਚਨ ਬੇਦਿਲ	
Revision		gkm 04	gkm 05	ਪਾਠ 06	ਪਾਠ 12
ftnkeoB		ftnkeoB	ftnke-oB	ftnke-oB	ftnke-oB
ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਰੂਪ	--	--	ਨਾਟਕ	--	--

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	24	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.

Unit 1: Introduction 07 Periods

What is Economics?

Meaning, scope and importance of statistics in Economics

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)

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Measures of Central Tendency- mean (simple and weighted), median and mode
Measures of Dispersion - absolute dispersion (range, quartile deviation, mean deviation and standard deviation); relative dispersion (co-efficient of quartile-deviation, co-efficient of mean deviation, co-efficient of variation); Lorenz Curve: Meaning and its application.
Correlation - meaning, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation.

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 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.

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

::9::

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

**PUNJABI
CODE NO.-104**

One Paper

3 Hours

Marks 100

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

ਸਾਹਿਤ ਅੰਕ ਪੈਰੀਅਡ
40

- ਕਵਿਤਾ ਅਤੇ ਨਾਟਕ
ਦਿੱਤੀਆਂ ਗਈਆਂ ਦੋ ਕਾਵਿ ਟੁਕੜੀਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ 06
- ਵਾਰਤਕ
ਦਿੱਤੇ ਗਏ 7 ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਕਿਸੇ 5 ਦੇ ਉੱਤਰ ਦੇਣੇ 10
- ਨਾਟਕ 24
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 ਅਤੇ vwrqk ਰਿਸ਼ਮਾਂ ਵਿੱਚੋਂ	(1 x 4 = 4)
II. ਅਤਿ ਛੋਟੇ 4 ਪ੍ਰਸ਼ਨ		(1 x 4 = 4)