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PREFACE

The syllabus for Class XI has been compiled in accordance with the curriculum set by CBSE and the guidelines provided by the CBSE from time to time.

The course aims to provide certain objectives which have been enlisted in the syllabus booklet.

The chapterwise allocation of marks has been provided for the students, list of help books / textbooks and other literature related to the specific subject has also been provided.

Students are advised to read their "NCERT" text books, first and along with it refer to those added materials.

We hope that our work proves to be helpful to the students and to the faculty members.

GENERAL GUIDELINES FOR THE STUDENTS

1. Students should be present in the class at the start of the period and reach in time for all other activities and functions.
2. Attendance on the last day of school before vacation and first day of the school after vacations is absolutely essential.
3. Students are required to behave politely at all times and should not use indecent languages or, indulge in fights and quarrels with other children in the school. Any behaviour likely to cause hurt to others in the matter of language, religion or community is strictly prohibited.
4. Children should refrain themselves from the following activities :
Spitting in or near the school building, disfiguring or otherwise damaging the school property, smoking any form of gambling use of drugs, intoxicants, rowdyism and rude behaviour, use of violence in any form and casteism and communalism.
5. No students should scratch or damage the school property or write or draw on the walls or cause damage in any way to any item belonging to the school or to others in the school. Any damage done will render the students liable for recovery of damages.
6. In the absence of the teacher from the classroom students are required to observe silence and obey the monitor of the class.
7. Every student should have his/her own textbook, stationery and other material required for studies, Articles should not be exchanged, nor should money borrowed or lent.
8. A student who uses unfair means in the examination will render himself/herself liable to such punishment as is considered necessary by the Principal/Co-ordinator.
9. The general behaviour of students should be good not only within in the school but also outside. Any reported objectionable conduct within or outside the school will make the student liable for disciplinary action.
10. Student found possessing or, reading any books or magazine of indecent nature are liable for disciplinary action.
11. Every student should take care of his/her personal belongings, School authorities will not be responsible for loss of such belongings.
12. It is the duty of all students to keep their classrooms and other places in and around the school clean and in order. All waste paper and other discardable materials should be thrown in the dustbin.
13. No student is allowed to write on the black board unless asked to do so by the teacher.
14. Before leaving the class room at the end of the day they should arrange the desks and chairs in proper order, put off the lights and fans, close the windows, throw the waste and unwanted materials into the dustbin and then leave the class room.
15. A student should come to the school in proper uniform which should be properly washed & ironed.
16. A student should greet/wish everybody with a pleasant smile.
17. Violation of the rules and regulations of the school and the code of conduct will render the concerned student liable to punishment including removal from the rolls of the school.
18. Problem Solving Assessment (PSA) will be conducted by CBSE in January and it is mandatory for every student to appear for the PSA. In case a student is unable to qualify the PSA in class XI, then he/she will be required to appear for the same in the next year.
19. School would also be conducting the following assessments in accordance with the guidelines issued by the board.
 - a) ASL : Assessment in speaking & listening skills in English.
 - b) OTBA : Open text based assessment in the annual exam in economics, biology & geography. The text for OTBA will be provided by CBSE.
20. Grades will also be given in the following areas of learning - Work Experience, Physical Education & General Studies.

UNIT WISE DISTRIBUTION OF THE SYLLABUS (2015-16)

Units	Dates		No. of Days
	From	To	
Unit 1	07-04-15	10-04-15	04
Unit 2	13-04-15	24-04-15	11
Unit 3	27-04-15	15-05-15	15
Summer Vacation :	18-05-15	30-06-15	
Unit 4	01-07-15	10-07-15	09
Unit 5	13-07-15	01-08-15	16
Unit 6	03-08-15	14-08-15	10
Unit 7	17-08-15	28-08-15	10
Unit 8 & Revision	31-08-15	19-09-15	16
Summative Assessment-I/Half Yearly Exams : 21-09-15 - 03-10-15			
Unit 9	05-10-15	31-10-15	16 (Including Autumn break)
Autumn Break :	20-10-2015 - 24-10-2015		
Unit 10	03-11-15	21-11-15	12 (Including Diwali Break)
Unit 11	23-11-15	05-12-15	10
Unit 12	07-12-15	31-12-15	16
Winter Break :	Fri 01-01-16 Sun 10-01-16		
Unit 13	11-01-16	30-01-16	15
Unit 14 & Revision	01-02-16	20-02-16	17
Summative Assessment-II : 22-02-16 onwards (Tentative)			
Assessment Schedule :			
Assessment	Dates		
	From	To	
UT 1	01-08-2015	07-08-2015	
Half Yearly Exams : 21-09-15 - 03-10-15			
UT 2	30-11-2015	05-12-2015	
UT 3	12-01-2016	19-01-2016	
Annual Exams	06-02-2016 (Tentative)		

ENGLISH CORE

Learning Indicators (SPECIFIC) :

Reading Skill : Expected outcomes :

- ❖ Conceptual Understanding
Analysis, Judgement, MCQ, Reasoning
- ❖ Analysing
Summarizing
- ❖ Inferring
Using appropriate formats (Note-making)
- ❖ Interpreting
Coherence of ideas (note-making)
- ❖ Appreciating
Clarity in Comprehension, Analysis, Judgement
- ❖ MCQ
Reasoning

Writing Skill : Expected outcomes

- ❖ Reasoning
Writing Articles, Speech Posters
- ❖ Accuracy of Style and tone
Debates, Advertisements, Applications
- ❖ Using appropriate format and fluency
Compare data, rich vocabulary
- ❖ Inference
- ❖ Analysis
- ❖ Evaluation
- ❖ Creativity
- ❖ Originality

Literary Skill : Expected outcomes

- ❖ Recalling
Critical Appreciation
- ❖ Reasoning
Comparison with real life situation
- ❖ Appreciating Literary Conventions
Analysis of facts
- ❖ Inference

Character-sketch

- ❖ Analysis
- ❖ Evaluation

General Outcomes :

Recommended :

Skill based Communicative Approach :

- ❖ Acquire Competence with special emphasis on different linguistic functions
- ❖ Equip learners with language skills that will enable him/her to achieve his/her academic career goals.
- ❖ Reinforce the various sub-skills acquired by Class-IX and X with reference to reading, writing listening and speaking
- ❖ Broaden the language base, empowering the learners to use language for creative purposes.
- ❖ Promote personal growth and enrichment.

Ultimate Aim : Gold foundation in language

Acquiring proficiency.

Unit 1 07/04/2015 to 10/04/2015 (04)

Content : Speaking skill, Listening skill, Integrated Grammar

Unit 2 13/04/2015 to 24/04/2015 (11)

Content : Notices, The Portrait of a Lady, The Summer..., The Photograph

Unit 3 27/04/2015 to 15/05/2015 (15)

Content : Business letters, Job Applications, We're not..., Ranga's Marriage,

Unit 4 01/07/2015 to 10/07/2015 (09)

Content : Note-Making, Voice of the Rain, King Tut

Unit 5 13/07/2015 to 01/08/2015 (16)

Content : Letter of Enquiry, Placing Order, Articles, Integrated Grammar, Novel (Canterville Ghost) (Ch-1-4)

Unit 6 03/08/2015 to 14/08/2015 (10)

Content : Childhood, Mother's Day

Unit 7 17/08/2015 to 28/08/2015 (10)

Content : Listening and Speaking Skill, Browning Version

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)

Content : Father to son, completion of syllabus left for Half-yearly and Revision

Unit 9 05/10/2015 to 31/10/2015 (16)

Content : Articles, Speech, The Tale of a Melon City, Novel (complete)

Unit 10 03/11/2015 to 21/11/2015 (12)

Content : Listening Skill, Speaking Skill, The Address

Unit 11 23/11/2015 to 05/12/2015 (10)

Content : The Ailing Planet, Albert Einstein in School...

Unit 12 07/12/2015 to 31/12/2015 (16)

Content : Birth, Completion of Syllabus left and Revision

Unit 13 11/01/2016 to 30/01/2016 (15)

Content : Note Making, Writing Skill

Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)

Content : Writing Skill, Comprehension Passage, Integrated Grammar

EXAMINATION SCHEDULE :

UT1 01/08/2015 to 07/08/2015

Till Unit 4

Half Yearly 21/09/2015 to 03/10/2015

Till Unit 8

UT2 30/11/2015 to 05/12/2015

Till Unit 9 & 10

UT3 12/01/2016 to 19/01/2016

Till Unit 11 & 12

The Tale of a Melon City, Note Making, (Novel Ch-5 onwards)

Ann. Exams 06/02/2016 onwards (Tentative)
Entire Syllabus,
The Tale of a Melon City

MATHEMATICS

Prescribed Book : NCERT

Reference Books : R.D. Sharma,
Exemplar Maths by NCERT

The syllabus in the subject of Mathematics has undergone changes from time to time in accordance with growth of the subject and emerging needs of the society. Senior Secondary stage is a launching stage from where the students go either for higher academic education in Mathematics or for professional courses like engineering, physical and Bioscience, commerce computer applications.

The present revised syllabus has been designed in accordance with National Curriculum framework 2005 and as per guidelines given in Focus Group on Teaching of Mathematics 2005 which is to meet the emerging need of all categories of students. Motivating the topics from real life situations and other subject areas, greater emphasis has been laid on application of various concepts.

Objectives : The broad objectives of teaching Mathematics at senior school stage intend to help the pupil:

- ❖ to acquire knowledge and critical understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles, symbols and mastery of underlying.
- ❖ processes and skills.
- ❖ to feel the flow of reasons while proving a

result or solving a problem.

- ❖ to apply the knowledge and skills acquire to solve problems and wherever possible, by more than one methods.
- ❖ to develop positive attitude to think, analyze and articulate logically.
- ❖ to develop interest in the subject by participating in related competitions.
- ❖ to acquaint students with different aspects of mathematics as a discipline.
- ❖ to develop an interest in students to study mathematics as a discipline.
- ❖ to develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of sex biases.
- ❖ to develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics.

Unit 1 07/04/2015 to 10/04/2015 (04)

Chap 1 Set

Unit 2 13/04/2015 to 24/04/2015 (11)

Chap 2 Relations & Functions, Chap 4 PMI

Unit 3 27/04/2015 to 15/05/2015 (15)

Revision + Chap 6 Linear In equations

Unit 4 01/07/2015 to 10/07/2015 (09)

Chap 3 Trigonometry

Unit 5 13/07/2015 to 01/08/2015 (16)

Chap 5 Complex Numbers + Revision

Unit 6 03/08/2015 to 14/08/2015 (10)

Chap 7 Permutations & Combinations

Unit 7 17/08/2015 to 28/08/2015 (10)

Chap 8 Binomial Th+Chap 16 Probability

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)

Chap 9 Sequences & Series

Unit 9 05/10/2015 to 31/10/2015 (16)

Chap 10 St. Lines

Unit 10 03/11/2015 to 21/11/2015 (12)

Chap 11 Conic sections

Unit 11 23/11/2015 to 05/12/2015 (10)

Chap 12 3-D, Chap 14 Mathematical Reasoning

Unit 12 07/12/2015 to 31/12/2015 (16)

Ch-15 Stats

Unit 13 11/01/2016 to 30/01/2016 (15)

Chap 13 Limits & Derivatives

Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)

Revision

EXAMINATION SCHEDULE :

UT1 01/08/2015 to 07/08/2015

Unit 1 to Unit 5

Half Yearly 21/09/2015 to 03/10/2015

UT2 30/11/2015 to 05/12/2015

Unit 9 to Unit 11

UT3 12/01/2016 to 19/01/2016

Trigo + Unit 12 & Unit 13

Ann. Exams 06-02-2016 onwards (Tentative)

PHYSICS

Prescribed Books : NCERT

Reference : S.L. ARORA

Senior Secondary stage of school education is a stage of transition from general education to discipline-based focus on curriculum. The present updated syllabus keeps in view the rigour and depth of disciplinary approach as well as the comprehension level of learners. Due care has also been taken that the syllabus is comparable to the international standards. Salient features of the syllabus include :

- ❖ Emphasis on basic conceptual understanding of the content.
- ❖ Emphasis on use of SI units, symbols,

<p>nomenclature of physical quantities and formulations as per international standards.</p> <ul style="list-style-type: none"> ❖ Providing logical sequencing of units of the subject matter and proper placement of concepts with their linkage for better learning. ❖ Reducing the curriculum load by eliminating overlapping of concepts/content within the discipline and other disciplines. ❖ Promotion of process-skills, problem-solving abilities and applications of Physics concepts <p>Besides, the syllabus also attempts to :</p> <ul style="list-style-type: none"> ❖ strengthen the concepts developed the secondary stage to provide firm foundation for further learning in the subject. ❖ expose the learners to different processes used in Physics - related industrial and technological applications. ❖ develop process- skills and experimental, manipulative, decision making and investigatory skills in the learners. ❖ Promote problem solving abilities and creative thinking in learners. ❖ develop conceptual competence in the learners and make realize appreciate the interface of Physics with other disciplines. <p>Unit 1 07/04/2015 to 10/04/2015 (04) Ch. 1 Units and Measurement</p> <p>Unit 2 13/04/2015 to 24/04/2015 (11) Ch. 1 Units and Measurement (contd) Ch. 2 Motion in a Straight line</p> <p>Unit 3 27/04/2015 to 15/05/2015 (15) Ch. 3 Motion in a plane + Revision</p> <p>Unit 4 01/07/2015 to 10/07/2015 (09) Ch. 4 Force and Laws of Motion</p> <p>Unit 5 13/07/2015 to 01/08/2015 (16) Ch. 5 Work, Energy and Power</p>	<p>Unit 6 03/08/2015 to 14/08/2015 (10) Ch. 6 System of particles and Rotation motion</p> <p>Unit 7 17/08/2015 to 28/08/2015 (10) Ch. 6 System of Particles and Rotational Motion(contd)</p> <p>Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15) Ch. 7 Gravitation + Revision</p> <p>Unit 9 05/10/2015 to 31/10/2015 (16) Ch. 8 and Ch. 9 Mechanical Properties of Solid and fluids</p> <p>Unit 10 03/11//2015 to 21/11/2015 (12) Ch. 10 Thermal properties of Matter</p> <p>Unit 11 23/11/2015 to 05/12/2015 (10) Ch. 11 Thermodynamics</p> <p>Unit 12 07/12/2015 to 31/12/2015 (16) Ch. 12 Kinetic theory of gases</p> <p>Unit 13 11/01/2016 to 30/01/2016 (15) Ch. 13 and Ch.14 Oscillations and Waves</p> <p>Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Ch. 13 and Ch.14 Oscillations and Waves(contd) + Revision</p> <p>EXAMINATION SCHEDULE :</p> <p>UT1 01/08/2015 to 07/08/2015</p> <p>Half Yearly 21/09/2015 to 03/10/2015</p> <p>UT2 30/11/2015 to 05/12/2015</p> <p>UT3 12/01/2016 to 19/01/2016</p> <p>Ann. Exams 06-02-2016 onwards (Tentative)</p>	<div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 0 auto;">CHEMISTRY</div> <p>Reference Books : Modern ABC</p> <p>Rationale :</p> <p>Higher Secondary is the most crucial stage of school education because at this juncture specialized discipline based, content-oriented courses are introduced. Students reach this stage after 10 year of general education and opt for Chemistry with a purpose of pursuing their career in basic sciences or professional courses like medicine, engineering, technology and study courses in applied areas of science and technology at tertiary level. Therefore, there is a need to provide learners with sufficient conceptual background of Chemistry, which will make them competent to meet the challenges of academic and professional courses after the senior secondary stage.</p> <p>The new and update curriculum is based on disciplinary approach with rigour and depth taking care that the syllabus is not heavy and at the same time it is comparable to the international level . The knowledge related to the subject of Chemistry has undergone tremendous changes during the past one decade. Many new areas like synthetic materials, bio-molecules, natural resources, Industrial chemistry are coming in a big way and deserve to be an integral part of chemistry syllabus at senior secondary stage. At international level new formulations and nomenclature of elements and compounds, symbols and unit of physical quantities floated by scientific bodies like IUPAC and CGPM are of immense importance and need to be incorporated in the updated syllabus. The revised syllabus takes care of all these aspects. Greater emphasis</p>
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has been laid on use of new nomenclature, symbols and formulations, teaching of fundamental concepts, application of concepts in chemistry to industry / technology, logical sequencing of units, removal of obsolete content and repetition, etc.

Objectives :

The broad objectives of teaching Chemistry at Senior Secondary Stage are :

- ❖ to promote understanding of basic facts and concepts in chemistry while retaining the excitement of chemistry.
- ❖ to make students capable of studying chemistry in academic and professional courses (such as medicine, engineering, technology) at tertiary level.
- ❖ to expose the students to various emerging new areas of chemistry and apprise them with relevance in future studies and their application in various spheres of chemical sciences and technology.
- ❖ to equip students to face various challenges related to health, nutrition, environment, population, weather, industries and agriculture.
- ❖ to develop problem solving skills in students.
- ❖ to expose the students to different processes used in industries and their technological applications.
- ❖ to apprise students with interface of chemistry with other disciplines of science such as physics, biology, geology, engineering etc.
- ❖ to acquaint students with different aspects of chemistry used in daily life.
- ❖ to develop an interest in students to study chemistry as a discipline.

Unit 1	07/04/2015 to 10/04/2015	(04)
Ch. 1	Some Basic Concept	
Ch. 2	Atomic Structure	
Unit 2	13/04/2015 to 24/04/2015	(11)
Ch. 2	Atomic Structure	
Ch. 3	Periodic Classification of Elements	
Unit 3	27/04/2015 to 15/05/2015	(15)
Ch. 4	Chemical Bonding	
Revision		
Unit 4	01/07/2015 to 10/07/2015	(09)
Ch. 5	States of matter	
Ch. 6	States of matter	
Unit 5	13/07/2015 to 01/08/2015	(16)
Ch. 7	Thermodynamics	
Ch. 8	Equilibrium	
Unit 6	03/08/2015 to 14/08/2015	(10)
Ch. 9	Redox reactions	
Unit 7	17/08/2015 to 28/08/2015	(10)
Ch. 11	S-Block elements	
Unit 8 & Rev.	31/08/2015 to 19/09/2015	(15)
Ch. 10	Hydrogen	
Ch. 12	p-Block elements	
Unit 9	05/10/2015 to 31/10/2015	(16)
Ch. 12	p-Block elements	
Ch. 10	Hydrogen	
Unit 10	03/11//2015 to 21/11/2015	(12)
Ch. 9	Redox reactions	
Revision		
Unit 11	23/11/2015 to 05/12/2015	(10)
Ch. 12	P-Block elements	
Unit 12	07/12/2015 to 31/12/2015	(16)
Ch. 13	Some Basic Concept of Organic Chemistry	
Unit 13	11/01/2016 to 30/01/2016	(15)
Ch. 14	Hydrocarbons	
Unit 14 & Rev.	01/02/2016 to 20/02/2016	(17)
REVISION :	Revision tests (2 or 3 will be taken for every test	

EXAMINATION SCHEDULE :

UT1 **01/08/2015 to 07/08/2015**

Half Yearly **21/09/2015 to 03/10/2015**

UT2 **30/11/2015 to 05/12/2015**

UT3 **12/01/2016 to 19/01/2016**

Ann. Exams **06/02/2016 onwards (Tentative)**

BIOLOGY

OBJECTIVES :

- ❖ promote understanding of basic principles Biology
- ❖ encourage learning of emerging knowledge and its relevance to individual and society
- ❖ promote rational/scientific attitude and issues related to population, environment and development
- ❖ enhance awareness about environment issues, problems and their appropriate solutions
- ❖ create awareness amongst the learners about diversity in the living organisms and developing respect for other life forms
- ❖ appreciate that most complex biological phenomena are built on essentially simple processes.

Unit 1 **07/04/2015 to 10/04/2015** **(04)**

Ch 1 : The Living World

Ch 2 : Biological Classification

Unit 2 **13/04/2015 to 24/04/2015** **(11)**

Ch 2 : Biological Classification Contd.

Ch 3 : Plant Kingdom

<p>Unit 3 27/04/2015 to 15/05/2015 (15) Ch 4 : Animal Kingdom Revision</p> <p>Unit 4 01/07/2015 to 10/07/2015 (09) Ch 5 : Morphology of flowering plants Ch 6 : Anatomy of flowering plants + Revision</p> <p>Unit 5 13/07/2015 to 01/08/2015 (16) Continued : Anatomy of flowering plants Ch 7 : Structural organisation in Animals Ch 8 : Cell : the unit of life</p> <p>Unit 6 03/08/2015 to 14/08/2015 (10) Ch 9 : Biomolecules + Revision Ch 10 : Cell cycle and cell division</p> <p>Unit 7 17/08/2015 to 28/08/2015 (10) Ch 11 : Transport in plants Ch 12 : Mineral Nutrition</p> <p>Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15) Ch 13 : Photosynthesis in higher plants + Revision Ch 14 : Respiration in plants</p> <p>Unit 9 05/10/2015 to 31/10/2015 (16) Ch 15 : Plants growth and development Ch 16 : Digestion and absorption</p> <p>Unit 10 03/11//2015 to 21/11/2015 (12) Ch 19 : Excretory products and their elimination</p> <p>Unit 11 23/11/2015 to 05/12/2015 (10) Continued : Ch 19 Excretory products and their elimination Ch 20 : Locomotion and movement</p> <p>Unit 12 07/12/2015 to 31/12/2015 (16) Continued : Ch 20 Locomotion and movement Ch 21 : Neural control and circulation</p>	<p>Unit 13 11/01/2016 to 30/01/2016 (15) Continued : Ch 21 Neural control and circulation Ch 22 : Chemical control and Integration</p> <p>Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Continued : Ch 22 Chemical control and Integration</p> <p>REVISION : Revision tests (2 to 3 Chapters will be taken for every year)</p> <p>EXAMINATION SCHEDULE :</p> <p>UT1 01/08/2015 to 07/08/2015</p> <p>Half Yearly 21/09/2015 to 03/10/2015</p> <p>UT2 30/11/2015 to 05/12/2015</p> <p>UT3 12/01/2016 to 19/01/2016</p> <p>Ann. Exams 06/02/2016 onwards (Tentative)</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;"> <p>COMPUTER SCIENCE</p> </div> <p>PRESCRIBED BOOK : COMPUTER SCIENCE BY SUMITA ARORA</p> <p>REFERENCE BOOK : TOGETHER WITH COMPUTER SCIENCE</p> <p>Learning Objectives : The Computer Science Curriculum is designed so that each student will have demonstrated the following competencies upon graduating with a Bachelor of Science in Computer Science :</p> <ol style="list-style-type: none"> 1. Ability to apply knowledge of computing and mathematics appropriate to the discipline. 2. Ability to analyze a problem and identify and define the computing requirements to solution. 	<ol style="list-style-type: none"> 3. Ability to design, implement and evaluate a computer - based system, process, component or program to meet desired needs. 4. Ability to function effectively on teams to accomplish a common goal. 5. Understanding of professional, ethical, security, and social issues and responsibilities. 6. Ability to communicate effectively with a range of audiences. 7. Ability to analyze the local and global impact of computer on individuals, organizations and society. 8. Recognition of the need for and having the ability to engage in continuing professional development. 9. Ability to use current techniques, skills, and tools necessary for computing practice. 10. Ability to apply mathematical foundational, arithmetical principles, and computer science theory in the modeling and design of computer based systems that demonstrates trade-offs involved in design choices. 11. Ability to apply design and development principles in the construction of software systems of varying complexity. <p>Unit 1 07/04/2015 to 10/04/2015 (04) Ch.-1 Computer Overview</p> <p>Unit 2 13/04/2015 to 24/04/2015 (11) Ch.-2 Working with operating System, Ch.-3 Data Representation</p> <p>Unit 3 27/04/2015 to 15/05/2015 (15) Ch.-6 Getting Started With C++</p> <p>Unit 4 01/07/2015 to 10/07/2015 (09) Ch.-4 Microprocessor Basics Ch.-5 General OOP Concepts</p>
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<p>Unit 5 13/07/2015 to 01/08/2015 (16) Ch.-7 Data handing</p> <p>Unit 6 03/08/2015 to 14/08/2015 (10) Ch.-8 Operators and Expressions in C++ Ch.-9 C++ Standard Library</p> <p>Unit 7 17/08/2015 to 28/08/2015 (10) Ch.-10 Flow of control</p> <p>Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15) Ch.-10 Flow of control and Rev.</p> <p>Unit 9 05/10/2015 to 31/10/2015 (16) Ch.-11 Library Functions</p> <p>Unit 10 03/11//2015 to 21/11/2015 (12) Ch.-11 Functions</p> <p>Unit 11 23/11/2015 to 05/12/2015 (10) Ch.-12 Array</p> <p>Unit 12 07/12/2015 to 31/12/2015 (16) Ch.-12 Array</p> <p>Unit 13 11/01/2016 to 30/01/2016 (15) Ch.-13 Structures</p> <p>Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Ch.-14 Programming Methodology</p> <p>EXAMINATION SCHEDULE :</p> <p>UT1 01/08/2015 to 07/08/2015 Ch 1, 2, 3</p> <p>Half Yearly 21/09/2015 to 03/10/2015 Ch 4, 5, 6, 7</p> <p>UT2 30/11/2015 to 05/12/2015 Ch 10,11</p> <p>UT3 12/01/2016 to 19/01/2016 Ch 12,13</p> <p>Ann. Exams 06-02-2016 (Tentative)</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;"> INFORMATICS PRACTICES </div> <p>PRESCRIBED BOOK : CBSE (IP) INFORMATICS PRACTICES</p>	<p>REFERENCE BOOK : INFORMATICS PRACTICE BY SUMITA ARORA, TOGETHER WITH (IP)</p> <p>Learning Objectives :</p> <ol style="list-style-type: none"> To understand the application development environment. To gain programming Skills in GUI Programming Tool database creation in RDBMS. To design, program and develop database application using GUI Programming Tool and RDBMS. To learn database connectivity using Net beans as Front - end tool. To develop ability to use the Open Source Technology. <p>Competencies:</p> <ol style="list-style-type: none"> Student will become familiar with application development. Student will be able to develop & debug programs independently. Student can use SQL for storing and retrieving data other database objects in RDBMS. Ability to arrive at a normalized design of table and other database objects in RDBMS. Student will be able to develop a Client Server Application using Front end Bool end tools. <p>Unit 1 07/04/2015 to 10/04/2015 (04) CH-1 HARDWARE CONCEPTS CH-2 SOFTWARE CONCEPTS</p> <p>Unit 2 13/04/2015 to 24/04/2015 (11) CH-3 GETTING STARTED WITH PROGRAMMING USING IDE</p> <p>Unit 3 27/04/2015 to 15/05/2015 (15) CH-3 GETTING STARTED WITH PROGRAMMING USING IDE</p>	<p>Unit 4 01/07/2015 to 10/07/2015 (09) Ch-4 PROGRAMMING FUNDAMENTALS</p> <p>Unit 5 13/07/2015 to 01/08/2015 (16) Ch-5 FLOW OF CONTROL</p> <p>Unit 6 03/08/2015 to 14/08/2015 (10) CH-6 JAVA GUI PROMMING USING SWING-1</p> <p>Unit 7 17/08/2015 to 28/08/2015 (10) CH-6 JAVA GUI PROMMING USING SWING-1 CH-7 JAVA GUI PROGRAMMING USING SWING-2</p> <p>Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15) CH-8 JAVA GUI PROGRAMMING USING SWING-3</p> <p>Unit 9 05/10/2015 to 31/10/2015 (16) CH-13 INTRO TO MYSQL CH-14 SIMPLE QUERIES</p> <p>Unit 10 03/11//2015 to 21/11/2015 (12) CH-13 INTRO TO MYSQL CH-14 SIMPLE QUERIES</p> <p>Unit 11 23/11/2015 to 05/12/2015 (10) CH-15 MYSQL FUNCTIONS</p> <p>Unit 12 07/12/2015 to 31/12/2015 (16) CH-16 TABLE CREATIONS& DATA MANIPULATION COMMANDS</p> <p>Unit 13 11/01/2016 to 30/01/2016 (15) Ch-17 IT APPLICATIONS</p> <p>Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Ch-11 PROGRAMMING GUIDELINES</p> <p>EXAMINATION SCHEDULE :</p> <p>UT1 01/08/2015 to 07/08/2015 Ch 1, 2, 3</p> <p>Half Yearly 21/09/2015 to 03/10/2015 Ch 4, 5, 6</p> <p>UT2 30/11/2015 to 05/12/2015 Ch 10, 12, 13,</p>
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UT3 12/01/2016 to 19/01/2016
 Ch 11, 14, 15
 Ann. Exams 06-02-2016 onwards (Tentative)

DRAWING & PAINTING

Prescribed Book : PANORAMIC INDIAN PAINTING (BY R.C. Luthera & C.K. Luthera)
Learning objectives : Fine Arts is something which cannot be taught. It can be learnt by doing. Objectives of Art are to develop the creativity in child. They can also learn the best use of waste material to make something new. It develops creative ability in the child and to make them independent in creating their own style and skills.

Unit 1 07/04/2015 to 10/04/2015 (04)
Practical : Model with pencil drawing (two or three) object and Drapery
Theory : Art of Indus Valley(Harappan and Mohan jodaro) (2500 B.C. to 1500 B.C.)
 (1) Introduction
 (i) Period and Location
 (ii) Extension : In about 1500 miles
 (a) Harappa & Mohenjo-daro (Now in Pakistan)
 (b) Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan,Banawali and Dhaula Veera (in India)

Unit 2 13/04/2015 to 24/04/2015 (11)
Practical : Same model to be completed with water colour.
Theory : (2) Study of following sculptures and Terracottas : Dancing girl (Mohenjo-daro) Male Torso

(Harappa) Mother Goddess (Mohenjo-daro)

Unit 3 27/04/2015 to 15/05/2015 (15)
Practical : Composition on any subject (Railway Station) sketch with pencil draw more than three figures.
Theory : Study of following Seal :
 (i) Bull (Mohenjo- daro)

Unit 4 01/07/2015 to 10/07/2015 (09)
Practical : Same completed to be completed in water colour.
Theory : Study of following Decoration on earthen-wares:
 (i) Painted earthen-ware (jar)(Mohen jo-daro)

Unit 5 13/07/2015 to 01/08/2015 (16)
Practical : Start new model with Pencil Drawing
theory : Buddhist, Jain and Hindu Art
 (1) General Introduction to Art, during Mauryan, Sunga, Kushana & Gupta period

Unit 6 03/08/2015 to 14/08/2015 (10)
Practical : Some model to be continued and finished with colour.
Theory : Study of following Sculptures : Lion Capital form Sarnath (Mauryan period), Chauri Bearer from Didar Ganj (Mauryan period), Bodhisattva head form Taxila (Gandhara)

Unit 7 17/08/2015 to 28/08/2015 (10)
Practical : Composition on any subject

(Rainy day or flood) sketch with pencil draw more than three figures.

Theory : Seated Buddha form Katra Tila Seated Buddha form Sarnath (Gupta), Jain Tirathankara

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)
Practical : Same composition scene to be completed in water colour
Theory : Introduction to Ajanta Location, period, No. of caves, Chaitya and Vihara, Paintings and Sculptures subject matters and technique etc.

Unit 9 05/10/2015 to 31/10/2015 (16)
Practical : Model start with pencil two or three object with Drapery
Theory : Study of following Painting & Sculpture : Padmapani Bodhisattva, Mara Vijay (Ajanta Cave No. 26)

Unit 10 03/11//2015 to 21/11/2015 (12)
Practical : Model finish with colour.
Theory : Temple Sculpture, Bronzes and Indo-Islamic Architecture, Aristic aspects of Indian Temples (1) Introduction to temple Sculpture

Unit 11 23/11/2015 to 05/12/2015 (10)
Practical : Composition with pencil sketch (on any subject) festival.
Theory : Study of following Temple-sculptures : Descent of Ganga Ravana shaking Mount Kailash, Trimurti, Lakshmi Narayana Cymbal Payer Sun Temple Mother & Child

Unit 12 07/12/2015 to 31/12/2015 (16)
Practical : Composition Complete with water water colour.
Theory : Bronzes
 (i) Introduction to Indian Bronzes
 (ii) Method of casting (solid and hollow)
Unit 13 11/01/2016 to 30/01/2016 (15)
Practical : New model start with pencil.
Theory : Artistic Aspects of the Indo-slamic Architecture :
 (i) Introducion
Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)
Practical : Same model finished with water colour
 Figure Sketching
Theory : Study of following architectures :
 (i) Qutab Minar, Delhi
 (ii) Taj Mahal, Agra
 (iii) Go Gumbaj of Bijapur
 Revision

POLITICAL SCIENCE

Learning objective :
Book-I : Indian Constitution at work :
 1. Enable students to understand historical processes and circumstances in which the Constitution was drafted.
 2. Provide opportunity for students to be familiar with the diverse visions that guided the makers of the Constitution.
 3. Enable students to identify certain Key concepts of the Constitution and Comparison with other constitution of the world.

4. Analyse the ways in which The provisions the constitution worked in read political life
Book-II : Political Theory
 1. Develop the skill for logial reasoning.
 2. Introduce students to view points other then their own.
 3. Enable students to meaningfully participate in political life that surrounds them.
 4. Encourage students to Analyse any unexamined prejudices that one may have inherited.
Unit 1 07/04/2015 to 10/04/2015 (04)
 Making of constitution
Unit 2 13/04/2015 to 24/04/2015 (11)
 Rigns in the Indian Constitution
Unit 3 27/04/2015 to 15/05/2015 (15)
 Election & Representation, Executive
Unit 4 01/07/2015 to 10/07/2015 (09)
 Legislature
Unit 5 13/07/2015 to 01/08/2015 (16)
 Judiciary, Introduction to Federation
Unit 6 03/08/2015 to 14/08/2015 (10)
 Federalism, Local governments
Unit 7 17/08/2015 to 28/08/2015 (10)
 Constitution as living document.
Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)
 Philosophy of the Constitution
 Introduction to Political Theory
Unit 9 05/10/2015 to 31/10/2015 (16)
 Equality, Freedom
Unit 10 03/11//2015 to 21/11/2015 (12)
 Social Justice, Rights
Unit 11 23/11/2015 to 05/12/2015 (10)
 Nationalism, Secularism, Introduction to Citizen

Unit 12 07/12/2015 to 31/12/2015 (16)
 Citizenship, Peace
Unit 13 11/01/2016 to 30/01/2016 (15)
 L. Peace to be completed & L. Development
Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)
 L. Development to be completed & Revision
EXAMINATION SCHEDULE :
UT1 01/08/2015 to 07/08/2015
 Making of Constitution,
 Rights
Half Yearly 21/09/2015 to 03/10/2015
 Executive, Judiciary
UT2 30/11/2015 to 05/12/2015
 Local Government
 Living Constitution
 Philosophy of the Constitution
UT3 12/01/2016 to 19/01/2016
 Secularism, Nationalism, Peace
Ann. Exams 06/02/2016 onwards (Tentative)
 Entire Syllabus

BUSINESS STUDIES

Prescribed Book : NCERT
Reference Book :
 R.K. SINGLA-Business Studies
Rationale :
 Business Studies is introduced at +2 satge of Senior Secondary Education as formal Commerce education is provided after ten years of schooling.
 Business is a dynamic process that brings together, technology, natural resources and human initiative in a constantly changing global environment. To understand the framework in which a business operates, a detailed study of the

organisation and management of business processes and its interaction with the environment is required. Globalisation has changed the way organizations transact their business Information Technology is becoming a part of business operations in more and more organisations. Computerised systems are fast replacing other systems. E-business and other related concepts are picking up fast which need to be emphasized in the curriculum.

The course in Business Studies will prepare students to analyse, manage, evaluate and respond to changes which affect business. It provides a way of looking at and interacting with the business environment. It recognizes the fact that business influences and is influenced by social, political, legal and economic forces. It allows students to appreciate that business is an integral component of society and develops an understanding of many social and ethical issues. Therefore, to acquire, basic knowledge of the business world, a course in Business Studies would be useful. It also informs students of a range of study and work options and bridges the gap between school and work.

Objectives :

- ❖ To develop students with an understanding of the processes of business and its environment
- ❖ To acquaint students with the dynamic nature and inter-dependent aspects of business
- ❖ To develop an interest in the theory and practice of business, trade and industry
- ❖ To acquaint students with practice of managing the operations and resources of business

❖ To enable students to act more effectively and responsibly as consumers, employers, employees and citizens

Unit 1 07/04/2015 to 10/04/2015 (04)

Nature and Purpose of Business

Unit 2 13/04/2015 to 24/04/2015 (11)

Nature and Purpose of Business

Unit 3 27/04/2015 to 15/05/2015 (15)

Forms of Business Organisation

Unit 4 01/07/2015 to 10/07/2015 (09)

Forms of Business Organisation

Unit 5 13/07/2015 to 01/08/2015 (16)

Private, Public and Global Enterprises

Unit 6 03/08/2015 to 14/08/2015 (10)

Business Services

Unit 7 17/08/2015 to 28/08/2015 (10)

Business Services

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)

Emerging Modes of Business, Revision

Unit 9 05/10/2015 to 31/10/2015 (16)

Social Responsibility of Business

Unit 10 03/11//2015 to 21/11/2015 (14)

Small Business

Sources of Business Finance

Unit 11 23/11/2015 to 05/12/2015 (10)

Sources of Business Finance

Unit 12 07/12/2015 to 31/12/2015 (16)

Internal Trade

Unit 13 11/01/2016 to 30/01/2016 (15)

International Business & Revision

Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)

Revision

EXAMINATION SCHEDULE :

UT1 01/08/2015 to 07/08/2015

Nature and Purpose of Business, Form of Business Organisation

Half Yearly 21/09/2015 to 03/10/2015

Forms Of Business Organisation, Public, Private and Global Enterprises

UT2 30/11/2015 to 05/12/2015

Small Business, Sources of Business Finance

UT3 12/01/2016 to 19/01/2016

Sources of Business Finance, Internal Trade

Ann. Exams 06-02-2016 onwards (Tentative)

ACCOUNTANCY

Rationale :

The course in Accountancy is introduced at +2 stage of Senior Secondary education, as formal commerce education is provided after first ten years of schooling. With the fast changing economic scenario and business environment in a state of continuous flux, elementary business education along with accountancy as the language of business and as a source of financial information has carved out a place for itself at the Senior Secondary stage. Its syllabus content should give students a firm foundation in basic accounting principles and methodology and also acquaint them with the changes taking place in the presentation and analysis of accounting information, keeping in view the development of accounting standards and use of computers. Against this background, the course put emphasis on understanding about the nature purpose of the accounting information system aids in financial information. The emphasis at Class XI is placed on basic concepts and process of accounting leading to the preparation of accounts for a sole proprietorship firm. Computerised accounting is becoming more and

more popular with increasing awareness about use of computers in business. Keeping this in view, the students are exposed compulsorily to the basic knowledge about computers and its use in accounting in the same year.

Objectives :

- ❖ To familiarize the student with accounting as an information system;
- ❖ To acquaint the student with basic concepts of accounting and accounting standards;
- ❖ To develop the skill of using accounting equation in processing business transactions;
- ❖ To develop an understanding about recording of business transactions and preparation of financial statements.
- ❖ To enable the students with accounting accounting for reconstitution and dissolution of partnership firms;
- ❖ To enable the students to understand and analyse the financial statements; and
- ❖ To familiarize students with the fundamentals of computerized system of accounting

Unit 1 07/04/2015 to 10/04/2015 (04)

1. In trcoduction to Accounting
2. Basic Accounting terms

Unit 2 13/04/2015 to 24/04/2015 (11)

3. Theory Base of Accounting
Accounting standard
4. Basic of accounting

Unit 3 27/04/2015 to 15/05/2015 (15)

5. Accounting Equation
6. Accounting procedures Rules of Debit and Credit
7. Origin of transaction

Unit 4 01/07/2015 to 10/07/2015 (09)

8. Journal and Ledger

Unit 5 13/07/2015 to 01/08/2015 (16)

9. Special purpose book-I Cash book
10. Special purpose book-II Other books

Unit 6 03/08/2015 to 14/08/2015 (10)

11. Bank Reconciliation Statement
12. Trial Balance

Unit 7 17/08/2015 to 28/08/2015 (10)

13. Depreciation
14. Provision & Reserves

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)

- Depreciation
- Provision & Reserve
- Project and Revision

Unit 9 05/10/2015 to 31/10/2015 (16)

15. Accounting of Bill of Exchange

Unit 10 03/11//2015 to 21/11/2015 (12)

16. Rectification of errors

Unit 11 23/11/2015 to 05/12/2015 (10)

- Financial statement of Sole proprietorship
- Adjustment in Financial statement

Unit 12 07/12/2015 to 31/12/2015 (16)

19. Accounts Incomplete records
20. Financial Statement of Not-for Profit Organisation

Unit 13 11/01/2016 to 30/01/2016 (15)

20. Financial Statement of Not-for Profit Organisation (contd)
- Computer in Accounting
- Project Work

Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)

- Project Work andRevision

EXAMINATION SCHEDULE :

UT1 01/08/2015 to 07/08/2015

- Introduction to Accounting

Basic Accounting Terms
Theory Base of Accounting
Bases of Accounting

Half Yearly 21/09/2015 to 03/10/2015

Basic Accounting Terms
Theory Base of Accounting
Bases of Accounting
Accounting Equation
Chapter 1 to 15

UT2 30/11/2015 to 05/12/2015

Accounting of Bill of Exchange
Rectification of Errors

UT3 12/01/2016 to 19/01/2016

Financial Statement
Accounts for incomplete records

Ann. Exams 06-02-2016 onwards (Tentative)

Chapter 1 to 22

ECONOMICS

Prescribed Book :

T.R. Jain & V.K. Ohri : Stats & Indian Economy

Rationale :

Economics is one of the social science, which has great influence on every human being. As economic life and the economy go through changes, the need to ground education in children's own experience becomes essential. While doing so, it is imperative to provide them opportunities to acquire analytical skills to observe and understanding the economic realities.

At senior secondary stage, the learners are in a position to understand abstract ideas, exercise the power of thinking and to develop their own perception. It is at this stage, the learners are exposed to the rigour of the discipline of economics in a systematic way.

The economics courses are introduced in such a way that in the initial stage, the learners are introduced to the economics realities that the nation is facing today along with some basic statistical tools to understand these broader economic realities. In the later stage, the learners are introduced to economics as a theory of abstraction. The economics courses also contain many projects and activities. These will provide opportunities for the learners to explore various economic issues both from their day-to-day life and also from issues, which are broader and invisible in nature. The academic skills that they learn in these courses would help to develop the projects and activities. The syllabus is also excepted to provide opportunities to use information and communication technologies to facilitate their learning process.

OBJECTIVES :

1. Understanding of some basic economics concepts and development of economic reasoning which the learners can apply in their day-to-day life as citizens , workers and consumers.
2. Realisation of 'learners' role in nation building and sensitivity to the economic issues that the nation is facing today.
3. Equipment with basic tools of economics and analyse economic issues that the nation is facing today.
4. Development of understanding that there can be more than one views on any economic issue and necessary skills to argue logically with reasoning.

Unit 1 07/04/2015 to 10/04/2015 (04)
Unit-1 Introduction

Unit 2 13/04/2015 to 24/04/2015 (11)
Unit-2 Collection, Organization and Presentation of Data

Unit 3 27/04/2015 to 15/05/2015 (15)
Unit-2 Unit-4 (1947-90)

Unit 4 01/07/2015 to 10/07/2015 (09)
Unit-4 Economic reform 1991

Unit 5 13/07/2015 to 01/08/2015 (16)
Unit-3 Measures of Central Tendency

Unit 6 03/08/2015 to 14/08/2015 (10)
Mean, Median & Mode

Unit 7 17/08/2015 to 28/08/2015 (10)
Unit-3 Measures of Dispersion

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)
Continue

Unit 9 05/10/2015 to 31/10/2015 (16)
Unit-3 Correlation
Unit-5 Current challenges facing Indian Economics

Unit 10 03/11//2015 to 21/11/2015 (12)
Unit-5 Continue
Unit-3 Index Number

Unit 11 23/11/2015 to 05/12/2015 (10)
Unit-5 OTBA
Unit-3 Index Number

Unit 12 07/12/2015 to 31/12/2015 (16)
Unit-6 Development Experience

Unit 13 11/01/2016 to 30/01/2016 (15)
Unit-3 Projects & Revision of Unit-3 & Unit-5

Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17)
Revision

EXAMINATION SCHEDULE :

UT1 01/08/2015 to 07/08/2015
Unit 1, Unit 2 & Unit 4
Unit 3, Unit 5 (poverty unemployed)

Half Yearly 21/09/2015 to 03/10/2015

Unit 1, 2, 3, 4, 5

UT2 30/11/2015 to 05/12/2015

Unit 3 correlation, Unit 5

UT3 12/01/2016 to 19/01/2016

Unit 3 Index number, Unit 6

Ann. Exams 06-02-2016 onwards (Tentative)

Unit 3 Measures of Dispersion

Unit 5, Unit 6

GEOGRAPHY

Prescribed Book : Fundamentals of Physical Geography, India : Physical Environment & Practical Geography

Rationale : Geography is introduced as an elective subject at the senior secondary stage. After ten year of general education, students branch out at the beginning of this stage and are exposed to the rigours of the discipline for the first time. Being an entry point for the higher education, students choose geography for pursuing their academic interest and, therefore, need a broader and deeper understanding of the subject. For others, geographical knowledge is useful in daily lives because it is a valuable medium for the education of young people. Its contribution lies in the content, cognitive processes, skill and values that geography promotes and thus helps the students explore, understand and evaluate the environment and social dimensions of the world in a better manner. Since geography explores the relationship between people and their environment it includes studies of physical and human environments and their interaction at

different scales - local, state / region, nation and the world. The fundamental principles responsible for the varieties in the distributional pattern of physical and human features and phenomena over the earth's surface need to be understood properly. Application of these principles would be taken up through selected case studies from the World and India. Thus, the physical and human environment of India and study of some issues from a geographical point of view will be covered in greater detail. Students will be exposed to different methods used in geographical investigations.

General Objectives :

The course in geography will help learners :

- ❖ Familiarise themselves with the terms, key concepts and basic principles of geography;
- ❖ Search for, recognize and understand the processes and patterns of the spatial arrangement of the natural as well as human features and phenomena on the earth's surface;
- ❖ Understand and analyse the inter relationship between physical and human environments and their impact;
- ❖ Utilize geographical knowledge in understanding issues concerning the community such as environmental issues, socio-economic concerns, gender and become responsible and effective members of the community.

Specific Objectives

The course in geography will help learners :

- ❖ Describe locations and correlate with geographical Perspective
- ❖ List/describe what students might see, hear, and smell at a place

- ❖ List/describe ways a place is linked with other places.
- ❖ Compare conditions and connections with one place to another
- ❖ Analyse/describe how conditions in one place can affect nearby areas.
- ❖ Identify regions as places that are similar or connected.
- ❖ Describe and interpret the spatial pattern, features on a thematic map.
- ❖ Apply geographical knowledge and methods of inquiry to emerging situations or problems at different levels - local, regional, national and global.
- ❖ Develop geographical skill, relating to collection, processing and analysis of data information and preparation of report including maps and graph and use of computers wherever possible; and to be sensitive to issues.

Methodology : Over the years the methodology of teaching has gone through sea change. The conventional method of teaching is replaced by modern techniques of teaching . Internet has given an exposure to the teachers and the students as well. So the students have started participating in the discussions with zeal.

- ❖ Students will be exposed to different methods used in geographical investigations like field survey.
- ❖ Question answer method will be used to achieve maximum participation of the students in discussion.
- ❖ The topics that need elaborate explanation will be explained through lecture method
- ❖ Templates, flow charts, diagrams,

illustrations and web clusters will be used to explain some topics.

- ❖ Educomp modules will be used.

Unit 1 07/04/2015 to 10/04/2015 (04)

1. Geography as a Discipline;
2. The Origin and Evolution of the Earth; (prac) 1. Introduction to Maps

Unit 2 13/04/2015 to 24/04/2015 (11)

3. Interior of the Earth;
4. Distribution of Oceans and Continents; (prac) 2. Map Scale

Unit 3 27/04/2015 to 15/05/2015 (15)

5. Minerals and Rocks; (prac)
2. Map Scale

Unit 4 01/07/2015 to 10/07/2015 (09)

6. Geomorphic processes; OTBA case study 1; (prac) 3. Latitude, Longitude and Time

Unit 5 13/07/2015 to 01/08/2015 (16)

8. Composition and structure of Atmosphere;
10. Atmospheric Circulation and Weather System; (prac) Ch 3. Lat-Long

Unit 6 03/08/2015 to 14/08/2015 (10)

11. Water in the Atmosphere;
12. World Climate and climate Change; (prac) 4. Map Projection

Unit 7 17/08/2015 to 28/08/2015 (10)

13. Water (Oceans);
14. Movement of Ocean Water; (prac) 4. Map Projection

Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15)

16. Biodiversity and conservation;
- Revision for Half yearly Exams

Unit 9 05/10/2015 to 31/10/2015 (16)

1. India - Location;

<p>2. Structure and physiography; (parc) 5. Topographical Maps Unit 10 03/11//2015 to 21/11/2015 (12) Ch 2. To be continued, 3. Drainage System; (prac) 5. Topographical Maps Unit 11 23/11/2015 to 05/12/2015 (10) 4. Climate; 5. Natural Vegetation; (parc) 7. Introduction To Remote Sensing Unit 12 07/12/2015 to 31/12/2015 (16) OTBA Case Study 2. Ch 5 to be Continued Unit 13 11/01/2016 to 30/01/2016 (15) 7. Natural Hazards and Disaster Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Ch 7. To be continued & Revision for the Annual Examination EXAMINATION SCHEDULE : UT1 01/08/2015 to 07/08/2015 1. Geography as a Discipline and 2. The Origin and Evolution of the Earth 3. Interior of the Earth Half Yearly 21/09/2015 to 03/10/2015 4. Distribution of Oceans and Continents; 5. Minerals and Rock UT2 30/11/2015 to 05/12/2015 1. India-Location 2. Structure and Physiography UT3 12/01/2016 to 19/01/2016 4. Climate and Natural Vegetation and OTBA Case study-2 Ann. Exams 06-02-2016 onwards (Tentative) Entire Syllabus</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">HOME SCIENCE</div> <p>Prescribed Book : Textbook of Home Science Book Publisher : Saraswati Publishers Reference Book : Home Science class XI Arya Publishers</p> <p>General Objectives :</p> <ul style="list-style-type: none"> ❖ Home Science as a discipline aims to empower the learner developing understanding of four different areas : <ul style="list-style-type: none"> • Food and Nutrition • Human Development • Community Resource Management • Fabric and Apparel Science ❖ To understand changing needs of society. ❖ To develop professional skills (e.g. culinary skills). ❖ To make them competent to meet challenges of life. <p>Specific Objectives :</p> <ol style="list-style-type: none"> 1. Acquaint learners with the basics of human development with specific reference to child. 2. To help develop skill of judicious management of various resources. 3. To enable learners to become alert and aware consumers. 4. To inculcate healthy food habits. 5. To impart knowledge of nutrition and lifestyles to enable prevention and mgmt. of disease. <p>Unit 1 07/04/2015 to 10/04/2015 (04) L-1 Concept of Home Science Unit 2 13/04/2015 to 24/04/2015 (11) L-2,3 Infancy & Childhood Unit 3 27/04/2015 to 15/05/2015 (15) L-4,5 Behaviour Problem & Suggestive Measures</p>	<p>Unit 4 01/07/2015 to 10/07/2015 (09) L-6,7 Prevention from Diseases Unit 5 13/07/2015 to 01/08/2015 (16) L-8,9 Subtitle care & First Aid Unit 6 03/08/2015 to 14/08/2015 (10) L-10,11 Health and Fitness Unit 7 17/08/2015 to 28/08/2015 (10) L-12 Functions of food Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15) L-13,14,15 Vitamin, Minerals & Prevention of food Unit 9 05/10/2015 to 31/10/2015 (16) L-16,17,18 Resource, Mgt. Process and Time Mgt. Unit 10 03/11//2015 to 21/11/2015 (12) L-19,20 Elements of Art Principles of Design Unit 11 23/11/2015 to 05/12/2015 (10) L-21,22 Use of colours space of Mgt. Unit 12 07/12/2015 to 31/12/2015 (16) Unit Fibre & Apparel science Unit 13 11/01/2016 to 30/01/2016 (15) Unit Community Development and Extension Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Practicals stitching and Revision(contd) EXAMINATION SCHEDULE : UT1 01/08/2015 to 07/08/2015 L-1 to 6 Half Yearly 21/09/2015 to 03/10/2015 L-1, 2, 3 UT2 30/11/2015 to 05/12/2015 L-10, 12, 14, 15, 16 UT3 12/01/2016 to 19/01/2016 L-20, 21, 22, 23, 24 Ann. Exams 06-02-2016 onwards (Tentative) Entire Syllabus</p>
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PSYCHOLOGY

Prescribed Book :

Psychology (Textbook-XI) NCERT

Objectives : To introduce the fundamentals of

- ❖ To help develop an understanding and appreciating Psychology as a discipline, its applications and relations interesting examples and analysis of everyday experiences
- ❖ To familiarize students with the methods of studying and understanding behaviour
- ❖ Explain the role of biological and sociocultural factors in the shaping of human behaviour and experience
- ❖ Help appreciate the variations in development and the developmental tasks across the life span
- ❖ To help in understanding how various sensory stimuli are received, attended to and given meaning
- ❖ Foster an understanding as to how human beings acquire new behaviour and how changes in behaviour take place
- ❖ To educate students about how information is received, stored, retrieved and lost. Ways to improve memory shall also be discussed
- ❖ Help appreciate the nature of thinking and its related processes like reasoning, problem solving, decision making, creative thinking and relationship between thought and language
- ❖ Develop an understanding of why human behave as they do, how people experience positive and negative events and respond to them.

Unit 1	07/04/2015 to 10/04/2015	(04)
What is Psychology ?		
Unit 2	13/04/2015 to 24/04/2015	(11)
11Methods of inquiry in Psychology		
Unit 3	27/04/2015 to 15/05/2015	(15)
Methods of inquiry in Psychology		
Unit 4	01/07/2015 to 10/07/2015	(09)
The Bases of Human Behaviour		
Unit 5	13/07/2015 to 01/08/2015	(16)
The Bases of Human Behaviour		
Human Development		
Unit 6	03/08/2015 to 14/08/2015	(10)
10Human DevelopmentSensation		
Unit 7	17/08/2015 to 28/08/2015	(10)
Perception + Experiment 1		
Unit 8 & Rev.	31/08/2015 to 19/09/2015	(15)
Attention + Revision		
Unit 9	05/10/2015 to 31/10/2015	(16)
Learning		
Unit 10	03/11//2015 to 21/11/2015	(12)
Learning		
Memory		
Unit 11	23/11/2015 to 05/12/2015	(10)
Memory		
Experiment 2		
Unit 12	07/12/2015 to 31/12/2015	(16)
Motivation & Emotion		
Unit 13	11/01/2016 to 30/01/2016	(15)
Thinking		
Unit 14 & Rev.	01/02/2016 to 20/02/2016	(17)
Revision		

EXAMINATION SCHEDULE :

UT1	01/08/2015 to 07/08/2015
Introduction to Psychology, Methods of Inquiry in Psychology	

Half Yearly 21/09/2015 to 03/10/2015

The Bases of Human Behaviour, Human Development

UT2 **30/11/2015 to 05/12/2015**

Learning, Memory

UT3 **12/01/2016 to 19/01/2016**

Motivation & Emotion, Thinking

Ann. Exams 06-02-2016 onwards (Tentative)

MASS MEDIA STUDIES

Learning Objectives :

1. To understand the concept of a Mass Media of communication.
2. To understand that today print, radio, film television and the internet are the Principal Mass Media.
3. To understand that all Mass Media have individual histories of their evolution over the past 170 years.
4. To understand the distinction between the art medium and a mass Communication medium.

Unit 1 **07/04/2015 to 10/04/2015** **(04)**

Unit 1 : Introduction to Mass Communication

Ch 1 : Introduction to Media

Ch 2 : Aspects of Mass Communication

Unit 2 **13/04/2015 to 24/04/2015** **(11)**

Ch 3 : Impact of Mass Communication on Psyche and Society

Ch 4 : Barriers to Communication

Unit 3 **27/04/2015 to 15/05/2015** **(15)**

Ch 5 : A brief history of Mass Media

Unit 2 : Understanding Fiction & Non Fiction

<p>Ch 1 : Story as a self control world Unit 4 01/07/2015 to 10/07/2015 (09) Ch 2 : Story as a subjective experience Ch 3 : Content of a story Unit 5 13/07/2015 to 01/08/2015 (16) Ch 4 : Techniques of Story telling Ch 5 : Sense of a story Unit 6 03/08/2015 to 14/08/2015 (10) Ch 6 : Non fiction Unit 3 : Evolution of the Media in India Ch 1 : Indian Cinema : The Beginning Unit 7 17/08/2015 to 28/08/2015 (10) Ch 2 : Television in India Ch 3 : Development of Press in India Ch 4 : History &Development of Radio in India Unit 8 & Rev. 31/08/2015 to 19/09/2015 (15) Ch 5 : Evolution of Internet in India Revision Unit 9 05/10/2015 to 31/10/2015 (16) Unit 4 : Role of Advertising in Mass Communication Ch 1 : The need for advertising Ch 2 : Types of advertising Unit 10 03/11//2015 to 21/11/2015 (12) Ch 3 : Principles of advertising and code of advertising standards Unit 11 23/11/2015 to 05/12/2015 (10) Unit 5 : Introduction to Production process Ch 1 : Film Ch 2 : Television Unit 12 07/12/2015 to 31/12/2015 (16) Ch 3 : Print Ch 4 : Radio Unit 13 11/01/2016 to 30/01/2016 (15) Ch 5 : Internet Unit 6 : Production Skills</p>	<p>Ch 1 : Fiction Unit 14 & Rev. 01/02/2016 to 20/02/2016 (17) Revision EXAMINATION SCHEDULE : UT 2 01/08/2015 to 07/08/2015 Unit 1 : Ch - 1, 2, 3, 4 Half Yearly 21/09/2015 to 03/10/2015 Unit 1 : Ch - 5 Unit 2 : Ch - 1, 2, 3, 4, 5, 6 UT 3 30/11/2015 to 05/12/2015 Unit 3 : Ch - 1, 2, 3, 4, 5 Unit 4 : Ch - 1, 2 UT 4 12/01/2016 to 19/01/2016 Unit 4 : Ch - 3 Unit 5 : Ch - 1, 2, 3, 4, 5 Ann. Exams 06-02-2016 onwards (Tentative) Entire Syllabus</p>	
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