

~~and~~: Subject :- English (Syllabus Covered up to Half Yearly Examination 2017-18)

Hornbill :-

1. The Portrait of a lady.
2. We have not afraid to die.....
3. Discovering Tut The Saga Continues.....

Snapshot :-

1. Summer of the beautiful white House
2. Ranga's Marriage
3. The Address

Novel :-

1. Chapter -1,2,3

Grammar -

1. Determinants
2. Tenses
3. Modals
4. Voice

Poem :-

1. Photograph

Mathematics

S. No.	Chapters	Mathematics
01	SETS	
02	RELATION & FUNCTIONS	
03	TRIGONOMETRIC FUNCTIONS	
04	PRINCIPLE OF MATHEMATICAL INDUCTION	
05	COMPLEX NUMBERS	
06	LINEAR INEQUALITIES	
07	PERMUTATIONS & COMBINATIONS	
08	BINOMIAL THEOREM	
09	SEQUENCE AND SERIES	

Physics

Name of the class & Subject
Name of the chapters

XI Physics
Chapter I- Physical world to Chapter VII-System of particles and Rotational Motion. (NCERT)

Chemistry

Syllabus for half yearly exam for Chemistry of class XI comprise of Chapters 1-7, upto Equilibrium (As per Split syllabus upto 30.09.2017).

History ; Chapters 01 to 06

Geography : Book 1 - Fundamentals of Physical Geography
Chapters 1 to 9

Book 2 - India Physical Environment
Chapters 1 to 3

CHAPTER WISE HALF YEARLY SYLLABUS 2017-18 FOR CLASS XI SUBJECT – BIOLOGY

Chapter-1: The Living World

What is living? Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature; tools for study of taxonomy- museums, zoological parks, herbaria, botanical gardens.

Chapter-2: Biological Classification

Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups: Lichens, Viruses and Viroids.

Chapter-3: Plant Kingdom

Salient features and classification of plants into major groups - Algae, Bryophyta, Pteridophyta, Gymnospermae and Angiospermae (three to five salient and distinguishing features and at least two examples of each category); Angiosperms - classification upto class, characteristic features and examples.

Chapter-4: Animal Kingdom

Salient features and classification of animals non-chordates up to phyla level and chordates up to class level (three to five salient features and at least two examples of each category).

Chapter-5: Morphology of Flowering Plants

Morphology and modifications: Tissues

Chapter-6: Anatomy of Flowering Plants

Anatomy and functions of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed

Chapter-7: Structural Organisation in Animals

Animal tissues: Morphology, anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach). (a brief account only)

Chapter-8: Cell-The Unit of Life

Cell theory and cell as the basic unit of life: Structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, Golgi bodies, lysosomes, vacuoles; mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus, nuclear membrane, chromatin, nucleolus.

Chapter-9: Biomolecules

Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids, enzymes, types, properties, enzyme action

Half Yearly Examination Syllabus

Class – XI (Commerce)

Accountancy:

Unit- I – Theoretical Frame- Work

- Introduction to Accounting
- Theory Base Accounting.

Unit – II – Accounting Process

- Recording of Transactions
- Bank Reconciliation statement
- Ledger
- Trial Balance
- Depreciation, Provisions and Reserves

Business Studies

- Nature and purpose of Business
- Forms of business Organizations (including formation of companies)
- Public Private and Global Enterprises
- Business services
- Emerging modes of Business
- Social Responsibilities of Business and Business Ethics (Only up to concept of Social responsibility and case of social responsibility)

Kendriya Vidyalaya Sangathan, Jabalpur Region
Class-XI
Subject-Informatics Practices
Syllabus for Half Yearly Exam : 2017-18

Unit 1: Introduction To Computer Systems

Hardware Concepts:

Computer organization (basic concepts): CPU, Memory (RAM and ROM), I/O devices, communication bus, ports (serial, parallel), device specific ports;

Input devices: Keyboard, Mouse, Light pen, Touch Screen, Graphics Tablet, Joystick, Microphone, OCR, Scanner, Smart Card reader, Barcode reader, QRCode reader, Biometricsensor, web camera;

Output Devices: Monitor/Visual Display Unit (VDU), LCD screen, Television, Printer (Dot Matrix printer, Desk jet/ Inkjet/ Bubble jet printer, Laser printer), Plotter, Speaker;

Secondary Storage Devices: Floppy Disk, Hard Disk, Compact Disk, Magnetic Tape, Digital Versatile Disk (DVD), Flash Drive, Memory cards. Comparative properties of storage media;

Memory Units: bit, Byte (Kilobyte, Megabyte, Gigabyte, Terabyte, Petabyte)
Encoding scheme : ASCII, ISCI & UNICODE

E-waste disposal.

Security of computer system: Sources of attack and possible damages, malware - virus, worms, spyware and cookies as security threat, malware detection using a tool. Computer security, digital certificate, digital signature, firewall, password, file access permissions

Types of Software:

(a) *System Software:*

(i) *Operating systems:* Need for operating system, major functions of Operating System;

Examples of OS for mainframe (eg: Linux etc), PC/Server (eg: Windows, Ubuntu etc.), and mobile devices eg: Android, ios and Symbian.

(ii) *Language Processors:* Assembler, Interpreter, and Compiler

(b) *Utility Software:* Compression tools, disk defragmenter, anti-virus

(c) *Application Software:*

(i) *General Purpose Application Software:* Word Processor, Presentation Tool, Spreadsheet Package, Database Management System, Integrated Development Environment (IDE)

(ii) *Specific Purpose Application Software:* Inventory Management System, Purchasing System, Human Resource Management System, Payroll System, Financial Accounting, Hotel Management and Reservation System etc.

Unit 2: Introduction To Programming

Getting started with Programming using IDE

Introduction, Rapid Application Development using IDE (Integrated Development Environment) such as Netbeans; Familiarization of IDE using basic Interface components- Label, Text Field, Text Area, Button, Checkbox, Radio Button. (As per appendix A)

Developing General Application (As per the guidelines at appendix B) - Getting Familiar with

Java Swing User Interface components-Frame, Dialog, OptionPane, Panel, ScrollPane, Label,

TextField, PasswordField, TextArea, Button, CheckBox, RadioButton, ComboBox, List

Basic component handling methods and properties: setText(), getText(), isSelected(), setSelected()

Programming Fundamentals

Data Types: Concept of data types; Built-in data types - byte, short, int, long, float, double, char, string, boolean

Variables: Need to use variable, declaring variables, variable naming convention, assigning value to variables;

Integer object method: parseInt

Double object method: parseDouble, parseFloat

Control Structures:

Decision Structure - if, if-else, switch;

Looping Structure- while, do . . while, for;

Kendriya Vidyalaya Sangathan, Jabalpur Region
Class-XI
Subject-Computer Science
Syllabus for Half Yearly Exam : 2017-18

Unit 1: Computer Fundamentals

Classification of computers: Basics of computer and its operation; Functional Components and their interconnections, concept of Booting.

Software concepts: Types of Software – System Software, Utility Software and Application Software

System Software: Operating System, Compiler, Interpreter and Assembler;

Operating System: Need for Operating System, Functions of Operating System (Processor Management, Memory Management, File Management and Device Management), Types of Operating System-Interactive (GUI based), Time Sharing, Real Time and Distributed, Commonly used Operating System: UNIX, LINUX, Windows, Solaris, BOSS (Bharat Operating System Solutions); Mobile OS – Android, Symbian, IOS.

Utility Software: Anti Virus, File Management tools, Compression tools and Disk Management tools (Disk Cleanup, Disk Defragmenter, Backup).

Open Source Concepts: Open Source Software, Freeware, Shareware, and Proprietary Software.

Application Software: Office Tools – Word Processor, Presentation Tool, Spreadsheet Package, Database Management System; Domain Specific tools – School Management System, Inventory Management System, Payroll System, Financial Accounting, Hotel Management, Reservation System and Weather Forecasting System.

Number System: Binary, Octal, Decimal, Hexadecimal and conversion between different number systems.

Internal Storage encoding of Characters: ASCII, ISCII (Indian,Scripts Standard Code for Information Interchange), and UNICODE (for multilingual computing)

Microprocessor: Basic concepts, Clock speed (MHz, GHz), 16 bit, 32 bit, 64 bit, 128 bit processors; Types – CISC Processors (Complex Instruction Set Computing), RISC Processors (Reduced Instruction Set Computing), and EPIC (Explicitly Parallel Instruction Computing).

Memory Concepts: Units: Byte, Kilo Byte, Mega Byte, Giga Byte, Tera Byte, Peta Byte, Exa Byte, Zetta Byte, Yotta Byte.

Primary Memory: Cache, RAM, ROM

Secondary Memory: Fixed and Removable storage – Hard Disk Drive, CD/DVD Drive, Pen Drive, Blue Ray Disk.

Input Output Ports/ Connections: Serial, Parallel and Universal Serial Bus, PS-2 port, Infrared port, Bluetooth, Firewire.\

Unit-3: Introduction to C++

Getting Started: C++ character set, C++ Tokens (Identifiers, Keywords, Constants, Operators,), Structure of a C++ Program (include files, main function), Header files – iostream.h, iomanip.h,

cout, cin; use of I/O operators (<<and>>), Use of endl and setw (), Cascading of I/O operators, compilation , Error Messages; Use of editor, basic commands of editor, compilation, linking and execution.

Data Types, Variables and Constants: Concept of Data types; Built-in Data types: **char, int, float and double**; Constants: Integer Constants, Character constants (- \n, \t, \b), Floating Point Constants, String Constants; Access modifier: **const**; Variables of built-in-data types, Declaration/Initialization of variables, Assignment statement, Type modifier: **signed, unsigned, long**

Operator and Expressions: Operators: Arithmetic operators (-, +, *, /, %), Assignment operator (=), c++ shorthands (+=, -=, *=, /=, %=) Unary operators (-), Increment (++) and Decrement (--) Operators, Relational operator (>, >=, <=, !=), Logical operators (!, &&, ||), Conditional operator: <condition>?<if true>:<if false>; Precedence of Operators; Automatic type conversion in expressions, Type casting;

Split up of Syllabus for
HALF – YEARLY Examination 2017

Class XI

Sub: ECONOMICS

Section A : Statistics

Till Sept. 30 2017

- Unit 1 Introduction**
- Unit 2 Collection and Organisation of Data**
- Unit 3 Presentation of data**
- Unit 4 Measures of Central Tendency.**

(Upto Mode including Quartile ,Decile and Percentile .)

Section B : Indian Economic Development

Till September 2017

- Unit I Development Policies and Experience (1947-90)**
- Unit 2 Economic Reforms since 1991**

- 1. Paper will be set for 80 marks , later to be reduced to 30%**
- 2. Project of 20 marks to be evaluated during S.E. Exam.**
- 3. No OTBA to be asked.**