

AIR FORCE SCHOOL BAGDOGRA
SPLIT-UP SYLLABUS

SESSION 2020-21

CLASS: XI

SUBJECT: ACCOUNTANCY (055)

NCERT TEXT BOOK: 1. Financial Accounting-I : 52 Marks

2. Financial Accounting-II : 28 Marks

3. Project: : 20 Marks

S. N.	Month	NAME OF THE LESSONS	Periods Required (Tentative)	Working days (Tentative)
1	JUNE	Introduction to Accounting	11	9
2	JULY	Theory Base of Accounting Recording of Business Transactions <ul style="list-style-type: none"> • Voucher and Transactions: Source documents and Vouchers, Preparation of Vouchers, Accounting Equation Approach: Meaning and Analysis, Rules of Debit and Credit. • Recording of Transactions: Books of Original Entry- <ul style="list-style-type: none"> ▪ Journal ▪ Special Purpose books: ▪ Cash Book: Simple, cash book with bank column and petty cashbook ▪ Purchases book ▪ Sales book ▪ Purchases return book ▪ Sales return book Note: Including simple GST calculations	14 20	24
3	AUGUST	Recording of Business Transactions contd. <ul style="list-style-type: none"> • Ledger: Format, Posting from journal and subsidiary books, Balancing of accounts Bank Reconciliation Statement Depreciation, Provisions and Reserves	10 15 10	24
4	SEPTEMBER	Depreciation, Provisions and Reserves Contd. Accounting for Bills of Exchange	10 20	22

5	OCTOBER	<p>Trial balance and Rectification of Errors</p> <ul style="list-style-type: none"> • Trial balance: objectives and preparation (Scope: <i>Trial balance with balance method only</i>) • Errors: types-errors of omission, commission, principles, and compensating; their effect on Trial Balance. • Detection and rectification of errors; preparation of suspense account 	15	16
6	NOVEMBER	<p>Financial Statements</p> <ul style="list-style-type: none"> • Receipts and Expenditure: Revenue receipts and capital receipts. Capital expenditure, Revenue expenditure and deferred expenditure • Objective and Importance. • Trading and Profit and Loss Account: Gross Profit, Operating profit and net profit. Preparation. • Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation. • Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Goods taken for personal use/staff welfare, interest on capital and managers commission. 	20	24
7	DECEMBER	<p>Financial Statements contd.</p> <p>Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.</p> <p>Incomplete Records</p> <p>Features, Reasons and Limitations. Ascertainment of profit/loss by statement of affairs method.</p>	20 07	17
8	JANUARY	<p>Incomplete Records contd.</p> <p>Difference between Accounts from incomplete records and Statement of Affairs. Preparation of Trading, Profit and Loss account and Balance Sheet.</p> <p>Computers in Accounting</p>	18 18	24
9	FEBRUARY	Revision and Project Work	30	24
10	MARCH	SESSION ENDING EXAMINATION		

AIR FORCE SCHOOL BAGDOGRA
SPLIT-UP SYLLABUS
SESSION 2020-21

CLASS: XI

SUBJECT: BUSINESS STUDIES (054)

NCERT TEXT BOOKS: 1. Foundations of Business : 40 Marks.
 2. Finance and Trade : 40 Marks
 3. Project: : 20 Marks

S.N.	Month	NAME OF THE LESSONS	Tentative No. of Periods	Tentative No. of Working Days
1.	JUNE	Nature and Purpose of Business <ul style="list-style-type: none"> • History of Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy • Business -Concept : Concept includes meaning and features • Business, profession and employment-Concept • Objectives of business • Classification of business activities - Industry and Commerce • Industry-types: primary, secondary, tertiary Meaning and subgroups 	12	9
2.	JULY	Nature and Purpose of Business contd. <ul style="list-style-type: none"> • Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning • Business risk-Concept Forms of Business Organisations	10 26	24
3.	AUGUST	Public, Private and Global Enterprises Business Services <ul style="list-style-type: none"> • Business services and its types - Meaning. Banking: Types of bank accounts- savings, current, recurring, fixed deposit and multiple option deposit account. • Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments 	22 14	24

4.	SEPT	Business Services contd. <ul style="list-style-type: none"> Insurance-: Principles, Types –life, health, fire and marine insurance –concept Postal Service-Mail, Registered Post, Parcel, Speed Post, Courier-meaning Emerging Modes of Business Social Responsibility of Business and Business Ethics	08 12 16	22
5.	OCTOBER	Sources of Business Finance <ul style="list-style-type: none"> Concept of business finance Owners’ funds- equity shares, preferences share, retained earnings, Global Depository receipt (GDR), American Depository Receipt (ADR) and International Depository Receipt (IDR) – concept 	20	16
6.	NOV	Sources of Business Finance contd. <ul style="list-style-type: none"> Borrowed funds: debentures and bonds, Loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). Small Business	10 16	24
7.	DEC	Internal Trade <ul style="list-style-type: none"> Internal trade - meaning and types services rendered by a wholesaler and a retailer GST (Goods and Services Tax): Concept and key-features Types of retail-trade-Itinerant and small scale fixed shops retailers Large scale retailers-Departmental stores, chain stores - concept Concept of automatic vending machine 	20	17
8.	JANUARY	Internal Trade contd. <ul style="list-style-type: none"> Main documents used in internal trade: Performa invoice, invoice, debit note, credit note. Lorry receipt (LR) and Railways Receipt (RR). Terms of Trade: Cash on Delivery (COD), Free on Board (FOB), Cost, Insurance and Freight (CIF), Errors and Omissions Excepted (E&OE). International Business	10 14	24
9.	FEBRUARY	Revision and Project Work	30	24
10.	MARCH	Session Ending Examination		

SPLIT-UP SYLLABUS FOR THE SESSION -2020-21
SUBJECT: ECONOMICS(030)

CLASS : XI ARTS/ COMM.
Teacher's name -Poulomi Das Maitra

Sl.No.	Chapter's name	Months
Units	Statistics for economics.	
1	Chapter - Introduction.	August.
2	Chapter -Collection, Organization and presentation of data	August
3	Chapter -Statistical tools and interpretation.	September.
	Introductory microeconomics	
4	Chapter-Introduction	October.
5	Chapter -Consumer's demand and equilibrium.	October.
6	Producer's behaviour and supply .	November.
7	Forms of market and price determination.	December.
	Simple application	December to January.
	Revision work and project discussion	February.

AIR FORCE SCHOOL BAGDOGRA
SPLIT UP SYLLABUS
SUBJECT: INFORMATICS PRACTICES (065)

CLASS XI

SUBJECT TEACHER: SUSREETI SUR

THEORY MARKS DISTRIBUTION

Unit No	Unit Name	Marks
1	Introduction to Computer System	5
2	Introduction to Python	25
3	Data Handling using NumPy	15
4	Database concepts and the Structured Query Language	20
5	Introduction to Emerging Trends	5
	Practical	30

Practical Marks Distribution

S.No.	Unit Name	Marks
1	Problem solving using Python programming language	8
2	Problem solving using NumPy	5
3	Creating database using MySQL and performing Queries	5
4	Practical file (minimum of 20 python programs , 5 Numpy programs and 20 SQL queries)	7
5	Viva-Voce	5
	Total	30

MONTH	UNIT	SPLIT UP SYLLABUS	LEARNING OUTCOMES
AUGUST	1	<p>: Introduction to Computer System</p> <p>Introduction to computer and computing: evolution of computing devices, components of a Computer System and their interconnections, Input/Output devices.</p> <p>Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns.</p> <p>Software: purpose and types – system and application software, generic and specific purpose software.</p>	<p>Students will learn about the basic functionalities and the general system of computer.</p>
SEPTEMBER	2	<p>: Introduction to Python</p> <p>Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program,</p> <p>indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data</p> <p>types, mutable and immutable data types, statements, expressions, evaluation and comments, input and</p>	<p>Students will learn about how to build the basic structures of the initial stages of programming.</p> <p>Students will learn the basic part of coding in PYTHON.</p>

		<p>output statements, data type conversion, debugging.</p> <p>Control Statements: if-else, for loop</p> <p>Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.</p> <p>Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions</p>	<p>Students will learn the implementation of operators, variables, keywords, datatypes and will know the details of them. They will learn about how to represent logic in pictorial form with help of flowchart and various datastructures.</p>
<p>OCTOBER TO NOVEMBER</p>	<p>3</p>	<p>Data Handling using NumPy</p> <p>Data and its purpose, importance of data, structured and unstructured data, data processing cycle, basic statistical methods for understanding data - mean, median, mode, standard deviation and variance. Introduction to NumPy library, NumPy arrays and their advantage, creation of NumPy arrays; indexing, slicing, and iteration; concatenating and splitting array;</p> <p>Arithmetic operations on one Dimensional and two Dimensional arrays.</p> <p>Calculating max, min, count, sum, mean, median, mode, standard deviation, variance on NumPy arrays.</p>	<p>Students will learn about the Numpy array structures and implementations.</p>

<p style="text-align: center;">DECEMBER</p> <p style="text-align: center;">TO</p> <p style="text-align: center;">JANUARY</p>	<p>4</p>	<p>Database concepts and the Structured Query Language</p> <p>Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key, foreign key.</p> <p>Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, Creating a database using MySQL, Data Types Data Definition: CREATE TABLE, DROP TABLE, ALTER TABLE.</p> <p>Data Query: SELECT, FROM, WHERE.</p> <p>Data Manipulation: INSERT, UPDATE, DELETE.</p>	<p>Students will learn about the basics of database Management system.</p> <p>Students will learn about various inbuilt functions of SQL</p>
<p style="text-align: center;">JANUARY</p>	<p>5</p>	<p>Introduction to the Emerging Trends</p> <p>Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.</p>	<p>Students will learn about the basic implementation of AI, machine learning, robotics.</p>
<p style="text-align: center;">FEBRUARY</p>		<p>REVISION</p>	<p>PRACTICE OF QUESTIONS & DOUBT CLEARING.</p>

AIR FORCE SCHOOL, BAGDOGRA
SPLIT UP SYLLABUS
SESSION – 2020-21
CLASS – XI (PHYSICAL EDUCATION)

S. NO	CHAPTER	MONTHS
1	Changing Trends & Career in Physical Education	AUGUST
2	Olympic Value Movement	AUGUST
3	Physical Fitness, Wellness & Lifestyle & Practical	SEPTEMBER
4	Physical Education & Sports for CWSN	SEPTEMBER
5	Yoga & Practical	OCTOBER
6	Physical Activity & Leadership Training	NOVEMBER
7	Test, Measurement & Evaluation & Practical	NOVEMBER
8	Fundamentals of Anatomy, Physiology and Kinesiology in Sports	DECEMBER
9	Psychology & Sports	JANUARY
10	Training and Doping in Sports	JANUARY
11	Revision (Theory and Practical)	FEBRUARY