

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

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# **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**

| <b>S.N.</b> | <b>Month</b>  | <b>NAME OF THE LESSONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Tentative No. of Periods</b> | <b>Tentative No. of Working Days</b> |
|-------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------|
| <b>1.</b>   | <b>JUNE</b>   | <b>Nature and Purpose of Business</b> <ul style="list-style-type: none"><li>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</li><li>Business -Concept : Concept includes meaning and features</li><li>Business, profession and employment-Concept</li><li>Objectives of business</li><li>Classification of business activities - Industry and Commerce</li><li>Industry-types: primary, secondary, tertiary Meaning and subgroups</li></ul> | <b>12</b>                       | <b>9</b>                             |
| <b>2.</b>   | <b>JULY</b>   | <b>Nature and Purpose of Business contd.</b> <ul style="list-style-type: none"><li>Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning</li><li>Business risk-Concept</li></ul> <b>Forms of Business Organisations</b>                                                                                                                                                                                                                                                                                  | <b>10</b><br><br><b>26</b>      | <b>24</b>                            |
| <b>3.</b>   | <b>AUGUST</b> | <b>Public, Private and Global Enterprises</b><br><br><b>Business Services</b> <ul style="list-style-type: none"><li>Business services and its types - Meaning. Banking: Types of bank accounts- savings, current, recurring, fixed deposit and multiple option deposit account.</li><li>Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments</li></ul>                                                                                                                                                                                                     | <b>22</b><br><br><b>14</b>      | <b>24</b>                            |

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

**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  | <b>Statistics for economics.</b>                           |                      |
| 1      | Chapter - Introduction.                                    | August.              |
| 2      | Chapter -Collection, Organization and presentation of data | August               |
| 3      | Chapter -Statistical tools and interpretation.             | September.           |
|        | <b>Introductory microeconomics</b>                         |                      |
| 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. |
|        | <b>Revision work and project discussion</b>                | <b>February.</b>     |

**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    |

| <b>MONTH</b>     | <b>UNIT</b> | <b>SPLIT UP SYLLABUS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>LEARNING OUTCOMES</b>                                                                                                                                                |
|------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AUGUST</b>    | <b>1</b>    | <p><b>: Introduction to Computer System</b></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>                                                                          |
| <b>SEPTEMBER</b> | <b>2</b>    | <p><b>: Introduction to Python</b></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> |
| OCTOBER<br>TO<br>NOVEMBER | 3 | <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><b>DECEMBER</b></p> <p><b>TO</b></p> <p><b>JANUARY</b></p> | <p><b>4</b></p> | <p><b>Database concepts and the Structured Query Language</b></p> <p><b>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.</b></p> <p><b>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.</b></p> <p><b>Data Query: SELECT, FROM, WHERE.</b></p> <p><b>Data Manipulation: INSERT, UPDATE, DELETE.</b></p> | <p><b>Students will learn about the basics of database Management system.</b></p> <p><b>Students will learn about various inbuilt functions of SQL</b></p> |
| <p><b>JANUARY</b></p>                                         | <p><b>5</b></p> | <p><b>Introduction to the Emerging Trends</b></p> <p><b>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.</b></p>                                                                                                                                                                                                                                                                                                              | <p><b>Students will learn about the basic implementation of AI, machine learning, robotics.</b></p>                                                        |
| <p><b>FEBRUARY</b></p>                                        |                 | <p><b>REVISION</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p><b>PRACTICE OF QUESTIONS &amp; DOUBT CLEARING.</b></p>                                                                                                  |

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

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