



ALOK VIDYASHRAM

SUMMATIVE ASSESSMENT I, 2017-18

CLASS: XI COMMERCE

<u>SUBJECTS</u>	<u>SYLLABUS</u>
ENGLISH	1. Hornbill: All Chapters 2. Snapshots: All Ahapters Advanced writing skill: 1. Notice Writing 2. Letter to Editor 3. Job Application 4. Speech Writing 5. Article Writing 6. Unseen Passage 7. Note Making and Summarizing
ACCOUNTANCY	1. Introduction to Accounting 2. Basic Accounting terms 3. Theory base of accounting, Accounting standards and International Principal Reporting standards 4. Bases of Accounting 5. Accounting Equation 6. Journal 7. Ledger 8. Special purpose books I-cash book 9. Special purpose books II-other book 10. Bank Reconciliation statement 11. Trial balance Depreciation Provisions and Reserves Accounting for Bills of Exchange Rectification of errors Final Account
BUSINESS STUDIES	Chapter 1 to 12
ECONOMICS	1. Whole from statistics a. Concept of economics b. Collection of data c. Census and Samples Methods d. Diagrammatic presentation of data e. Frequency diagram f. Measures of central tendency g. Measures of dispersion h. Correlation i. Index numbers 2. Poverty 3. Human capital formation in India 4. Rural development 5. Employment: growth, information and other issues 6. Infrastructure 7. Environment and sustainable development
COMPUTER	Chapter 1. Computer Overview Chapter 2. Working with operating System Chapter 3. Data Representation Chapter 4. Microprocessor



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	Chapter 6. Getting Started with C++ Chapter 7. Data Handling Chapter 8. Operators and Expressions in C++ Chapter 10. Flow of Control
MATHEMATICS	<ol style="list-style-type: none">1. Trigonometry2. P.M.I3. Linear Inequations4. Permutations and Combinations5. Binomial Theorem6. A Sequence and Series7. Equation of Straight Lines



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PHYSICS	Chapter 2. Unit and Measurements Chapter 3. Motion in Straight Line Chapter 4. Motion in a Plane Chapter 5. Laws of Motion Chapter 6. Work, Energy, Power Chapter 7. System of Particles and Rotational Motion Chapter 8. Gravitation Chapter 9. Elasticity
CHEMISTRY	<ol style="list-style-type: none"> 1. Some basic concepts of chemistry 2. Equilibrium 3. Oxidation and reduction 4. Electronic theory of valency 5. Balancing of chemical equation by partial equation method 6. Organic chemistry (Complete syllabus) 7. Hydrogen 8. Atomic Structure
BIOLOGY	Cell Cycle and Cell Division: Cell Cycle and their types. Steps in cell division. Mitosis Vs Meiosis. Transport in plants: Means of Transport. Plant and water relation. Water potential. Osmosis, plasmolysis and imbibition. Transport of water over distances. How do plants absorb water? Transpiration and photosynthesis. Uptake and translocation of minerals nutrients. Massflow hypothesis. Mineral Nutrition: Essential mineral elements and the criteria for essentiality. Macro and micro nutrients. Critical concentration and toxicity of micronutrients. Mechanism of absorption of elements. Metabolism of nitrogen. Nitrogen cycle and biological nitrogen fixation. Photosynthesis in higher plants: Background in photosynthesis. Where does it occur? Light and dark reactions and the types of pigments. Light reaction. Electron transport chain. Splitting of water, Cyclic and Non cyclic photo-phosphorylation. Chemiosmotic Hypothesis. ATP and NADPH. The Calvin cycle. The C4 pathway. What is photorespiration. Factors affecting photosynthesis. Respiration in plants: Introduction to respiration in plants. Glycolysis and its importance. Fermentation. Aerobic respiration. Tricarboxylic Acid Cycle. ETS and Oxidative Phosphorylation. The respiration balance sheet. Amphibolic pathway. Plants Growth and Development. The indeterminate nature of plant



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	<p>growth. Measuring plant growth. Phases of Growth, growth rates and conditions for growth. Differentiation, dedifferentiation and redifferentiation. Development. Plant Growth Regulators. Characteristics. The discovery of growth regulator. Physiological Effects, Photoperiodism and Vernalisation.</p> <p>Digestion and Absorption: Overview of the Digestive system. Digestive gland. Digestion food the chemical process. Absorption of Digested products. Digestive Disorders.</p> <p>Breathing and Exchange of Gases: Overview of the Respiratory system. Human respiration . Mechanism of breathing. Respiratory volume and capacity.</p> <p>Exchange of Gases. Transport of Gases (Oxygen and Carbon dioxide) Regulation of Respiration Disorders of the Respiratory system.</p> <p>Body Fluids and Circulation: Overview of the circulatory system. Blood and its components. Blood groups. Coagulation of Blood. Lymphatic system. Circulatory pathway. Human circulatory system. Cardiac cycle and electrocardiograph (ECG). Double circulation and the regulation of cardiac activity. Disorders of the circulatory system.</p> <p>Excretory products and Their elimination: Human Excretory system. Urine formation. Function of the Tubules. Mechanism of concentration of filtrate. Regulation of kidney functions. Micturition. Role of other organs in excretion. Disorders of the excretory system.</p> <p>Locomotion and movements: Type of movement, Muscle and its types. Structure of contractile proteins. Mechanism of muscle contraction. Skeletal system. Muscular disorders and skeletal disorders.</p> <p>Neural control and coordination: Nervous system. Neuron a detailed analysis. Generation and conduction of nerve impulse. Transmission of impulses. Central Neural system (in Detail).</p>
COMPUTER	<p>Chapter 1. Computer Overview</p> <p>Chapter 2. Working with operating System</p> <p>Chapter 3. Data Representation</p> <p>Chapter 4. Microprocessor</p> <p>Chapter 6. Getting Started with C++</p> <p>Chapter 7. Data Handling</p> <p>Chapter 8. Operators and Expressions in C++</p> <p>Chapter 10. Flow of Control</p>
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