

### Syllabus [Full Course]

SI No	Subject	Chapter	Lecture
1	Mathematics	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	64
2	Science	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	56
3	BGS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	36
4	ICT	1, 2, 3, 4, 5	10
5	Bangla 1st & 2nd Paper	-	52
6	English 1st & 2nd Paper	-	68
<b>Total:</b>			<b>286</b>

### Mathematics

Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-1</b> Rational and Irrational Numbers	<b>M-01</b>	Squares and square roots, Integer, Properties of square numbers, Symbol of a square root
	<b>M-02</b>	Determining square root by prime factorization, Exercise – 1.1 (1)
	<b>M-03</b>	Determining square root by division method, Exercise – 1.1 (2)
	<b>M-04</b>	Some important points on square and square root, Problems of square and square root, Exercise – 1.1 (3-6)
	<b>M-05</b>	Finding square root of decimal fraction, Rules for finding a square root, Determination of square root in approximation value, Exercise – 1.2 (7,8)
	<b>M-06</b>	Perfect square fraction, square root of a fraction, Exercise – 1.2 (9,10)
	<b>M-07</b>	Rational and irrational numbers, Expression of rational and irrational numbers in a number line
	<b>M-08</b>	Exercise – 1.2 (6, 11-18)
<b>Chapter-2</b> Proportion, Profit and Loss	<b>M-09</b>	Ratio of multiple expressions and successive ratios, Proportion, Exercise – 2.1 (1-4)
	<b>M-10</b>	Proportional division, Exercise– 2.1 (5-16)
	<b>M-11</b>	Profit-Loss, Exercise – 2.2 (1-7)
	<b>M-12</b>	Profit-Loss related problems, Exercise – 2.2 (8-15)
	<b>M-13</b>	Problems related to speed, Exercise – 2.3 (7-12, 16,17)
	<b>M-14</b>	Problems related to speed, Exercise – 2.3 (13-15, 18-20)
<b>Chapter-3</b> Measurement	<b>M-15</b>	Measurement of Length, Units of measurement of length, Relation between Metric and British system, Exercise – 3 (5,6)
	<b>M-16</b>	Measurement of Area, Relation between Metric and British system in measuring Area, Exercise – 3 (7-11, 20-22)
	<b>M-17</b>	Measurement of weights, Metric units of measurement of weight, Exercise – 3 (12-16,18)
	<b>M-18</b>	Measuring Volume of Liquids, Metric units of measurement of volume, Exercise – 3 (17,19)
<b>Chapter-4</b> Multiplication and Division of Algebraic Expressions	<b>M-19</b>	Multiplication of Algebraic Expressions (Laws), Multiplication of expressions with signs
	<b>M-20</b>	Monomial Multiplied by Monomial, Polynomial Multiplied by Monomial, Polynomial Multiplied by Polynomial Exercise – 4.1 (1-16)
	<b>M-21</b>	Exercise – 4.1 (17-28)
	<b>M-22</b>	Division of Algebraic Expressions, Division of a Monomial by a Monomial, Exercise – 4.2 (1-6)
	<b>M-23</b>	Division of a Polynomial by a Monomial, Exercise – 4.2 (7-13)
	<b>M-24</b>	Division of a Polynomial by a Polynomial, Exercise – 4.2 (14-24)
	<b>M-25</b>	Division of Algebraic Expressions related problems, Exercise – 4.2 (25-35)
	<b>M-26</b>	Use of Brackets, Exercise – 4.3 (11-17, 25,26)
	<b>M-27</b>	Exercise – 4.3 (18-24, 27)

<b>Chapter-5</b> Algebraic Formulae and Applications	<b>M-28</b>	Algebraic Formulae, Formula-1, The geometric explanation of the formula, Corollary-1
	<b>M-29</b>	Formula-2, Corollary-2, Exercise – 5.1 (1-24)
	<b>M-30</b>	Corollary-3, Corollary-4, Corollary-5, Corollary-6
	<b>M-31</b>	Exercise – 5.1 (25-34)
	<b>M-32</b>	Formula-3, Formula-4, Exercise – 5.2 (1-12)
	<b>M-33</b>	Factors of algebraic expressions, Resolving into factors with the help of distribution law of multiplication, Exercise – 5.3 (1-3)
	<b>M-34</b>	Resolving into factors with the help of algebraic formulae, Exercise – 5.3 (4-20)
	<b>M-35</b>	Dividend, Divisor, Factor and Multiple, Highest Common Factor (H.C.F), Exercise – 5.4 (12-21)
	<b>M-36</b>	Least Common Multiple (L.C.M), Exercise – 5.4 (22-33)
<b>Chapter-6</b> Algebraic Fractions	<b>M-37</b>	Fractions, Equivalent Fractions, Reduction of fractions, Exercise – 6.1 (1-10)
	<b>M-38</b>	Fractions with common denominators, Rules for expressing the fractions with common denominators, Exercise – 6.1 (11-20)
	<b>M-39</b>	Addition of Algebraic Fractions, Subtraction of Algebraic Fractions, Exercise – 6.2 (7-18)
	<b>M-40</b>	Simplification of Algebraic Fractions, Exercise – 6.2 (19-24)
	<b>M-41</b>	Exercise – 6.2 (25-26)
<b>Chapter-7</b> Simple Equations	<b>M-42</b>	Revision of previous lessons [Commutative law for addition and multiplication, Distributive law for multiplication], Laws of equations [Transposition Law, Cancellation law, Law of cross-multiplication, Law of symmetry]
	<b>M-43</b>	Exercise – 7.1
	<b>M-44</b>	Formation of simple equation and solution, Exercise – 7.2 (1-15)
	<b>M-45</b>	Graphs, Concepts of co-ordinates, Plotting of points, Exercise – 7.3 (10)
	<b>M-46</b>	Solution of equations by graphs, Exercise – 7.3 (11,12)
<b>Chapter-8</b> Parallel Straight Lines	<b>M-47</b>	Geometrical argument method, 8.2 Transversals, Pair of parallel straight lines
	<b>M-48</b>	Angles made by bisect of parallel lines with a transversal, Theorem 1, Exercise – 8
<b>Chapter-9</b> Triangles	<b>M-49</b>	Medians of a triangle, Altitudes of a triangle, Exterior and interior angles of a triangle, Sum of three angles of a triangle, Theorem 1: The sum of three angles of a triangle is equal to two right angles.
	<b>M-50</b>	Exercise – 9.1
	<b>M-51</b>	Angle and side relations of a triangle, Theorem 2: If one side of a triangle is greater than another, the angle opposite to the greater side is greater than the angle opposite to the smaller side, Theorem 3: If one angle of any triangle is greater than another, then the side opposite to the greater angle is greater than the side opposite the smaller angle.
	<b>M-52</b>	Sum of two sides of a triangle, Theorem 4: The sum of the lengths of any two sides of a triangle is greater than the length of the third side, Exercise – 9.2
	<b>M-53</b>	Construction of Triangles, Construction-1, Construction-2, Exercise – 9.3(6,7)
	<b>M-54</b>	Construction-3, Construction-4, Exercise – 9.3(8,9)
	<b>M-55</b>	Construction-5, Construction-6, Exercise – 9.3(10,11)
	<b>M-56</b>	Exercise – 9.3(12-16)
<b>Chapter-10</b> Congruence and Similarity	<b>M-57</b>	Congruence, Congruence of triangles, Theorem-1
	<b>M-58</b>	Theorem-2, Exercise – 10.1
	<b>M-59</b>	Theorem-3, Theorem-4
	<b>M-60</b>	Theorem-5, Exercise – 10.2
	<b>M-61</b>	Similarity, Similar triangles, Conditions of similarity of triangles
	<b>M-62</b>	Similar quadrilaterals, Exercise – 10.3
<b>Chapter-11</b> Information and Data	<b>M-63</b>	Information and data, Statistical data, Unorganized and organized data, Frequency distribution table drawing, Exercise – 11 (5-13)
	<b>M-64</b>	Frequency histogram, Exercise – 11 (14-16)

**Science**

<b>Chapter</b>	<b>Lecture</b>	<b>Lecture-based discussion topics</b>
<b>Chapter-1</b> Lower Organisms	<b>S-01</b>	Microbial World, Virus and Bacteria
	<b>S-02</b>	Algae, Fungi and Amoeba
	<b>S-03</b>	Entamoeba
	<b>S-04</b>	Role of Microbes in Creating Health Hazards, Prevention and Remedy of Health Hazards caused by Microbes
<b>Chapter-2</b> Cellular Organisation of Plants and Animals	<b>S-05</b>	General Structure of Plant and Animal Cells
	<b>S-06</b>	Cytoplasmic Organelles (Up to Mitochondria)
	<b>S-07</b>	Cytoplasmic Organelles (Golgi Body, Nucleus)
	<b>S-08</b>	Characteristics and Functions of Plant Tissues
	<b>S-09</b>	Characteristics and Functions of Animal Tissues (Up to Functions of Muscles)
	<b>S-10</b>	From Connective Tissues up to Functions of Nerve Tissue
<b>Chapter-3</b> External Morphology of Plants	<b>S-11</b>	Modifications of Main Root, Modified Adventitious Roots (Up to Tubercular Roots)
	<b>S-12</b>	Modified For Mechanical Support
	<b>S-13</b>	Modified Stems (Up to Sucker)
	<b>S-14</b>	Aerial Modified Stems, Modified Leaves
<b>Chapter-4</b> Respiration	<b>S-15</b>	What is Respiration, Respiration in Living World
	<b>S-16</b>	Respiration in Animals
	<b>S-17</b>	Respiratory Process
	<b>S-18</b>	Common diseases of Respiratory Tract
<b>Chapter-5</b> Digestive System and Blood Circulation	<b>S-19</b>	Digestion of Food, Saliva and Enzymes
	<b>S-20</b>	Digestive System (Up to Esophagus), From Stomach to Anus
	<b>S-21</b>	Digestive Glands and Their Functions
	<b>S-22</b>	Common Diseases and Their Remedy
	<b>S-23</b>	Blood Circulatory System (Up to Platelets), Functions of Blood
	<b>S-24</b>	Blood Vessels, Heart, Heart Diseases
<b>Chapter-6</b> Structure of Matter	<b>S-25</b>	Constituent of Matter, Smallest Particle Theory
	<b>S-26</b>	Atoms and molecules, Atoms and Symbol
	<b>S-27</b>	Molecule and Formula, Particles of Atom
	<b>S-28</b>	Use of Water as Universal Solvent
<b>Chapter-7</b> The Use of Energy	<b>S-29</b>	Work, Power and Energy, Different Forms of Energy
	<b>S-30</b>	Transformation of Energy, Energy Conservation
	<b>S-31</b>	Renewable Energy, Non-Renewable Energy
	<b>S-32</b>	The Use and Crisis of Energy, Searching of Alternative Source of Energy, The Effect of Energy in Our Life and Its Cost-Effective Use
<b>Chapter-8</b> About Sound	<b>S-33</b>	Sound and Its Characteristics, Origin of Sound, Propagation of Sound, Propagation of Sound Through Liquid and Velocity of Sound
	<b>S-34</b>	Propagation of Sound Through Solid and Its Velocity of Sound, How Can Animals Hear Sounds, Limit of Audibility and Noise, Sound Making Machines
<b>Chapter-9</b> Heat And Temperature	<b>S-35</b>	Heat, Temperature
	<b>S-36</b>	Measurement of Temperature, Measuring Scale of Temperature
	<b>S-37</b>	Expansion of Matter Due to Effect of Heat, Humidity and The Effect of Temperature Over Humidity and Atmospheric Pressure
	<b>S-38</b>	Transmission of Heat
<b>Chapter-10</b> Phenomena of Electricity and Magnet	<b>S-39</b>	Origination of Charge, Existence of Charge, Conductor, Non-conductor and Semi-conductor
	<b>S-40</b>	Producing Current Electricity from Static Electricity, Simple Circuit and Its Use
	<b>S-41</b>	Use of Current electricity, what is Magnet?
	<b>S-42</b>	Magnetic and Non-magnetic Substance, Transforming Magnetic Substance into Magnets
<b>Chapter-11</b> Change in Surrounding and Various Incidents	<b>S-43</b>	Melting and Boiling, Decaying of Metal, Stainless Steel
	<b>S-44</b>	Combustion, Photosynthesis
	<b>S-45</b>	Water Cycle, Carbon Cycle, Oxygen Cycle
	<b>S-46</b>	Magnesium and air combustion, reaction of carbonate compounds and acids, rock formation

<b>Chapter-12</b> The Solar System and Our Earth	<b>S-47</b>	The Earth Moves Round the Sun, The Formation of Solar System and Its Introduction
	<b>S-48</b>	Our Habitat the Earth
	<b>S-49</b>	The earth rotates on its own axis and revolves around the sun in its own orbit
	<b>S-50</b>	The Earth Moves Round the Sun- The Earth's Annual Motion
<b>Chapter-13</b> Environment and Pollution	<b>S-51</b>	Environmental Pollution, Causes of Pollutions of Environmental Elements, Soil Pollution, Water Pollution
	<b>S-52</b>	Air Pollution, Effect of Pollution, Prevention of Pollution and Conservation of Environment
<b>Chapter-14</b> Change of Climate	<b>S-53</b>	Atmosphere of the Earth, Water Cycle in Environment, Balance of Carbon and Oxygen in the Environment
	<b>S-54</b>	Weather and Climate
	<b>S-55</b>	Change of Weather, Change of Climate (Before Causes of Global Warming)
	<b>S-56</b>	Change of Climate (Full)

### BGS

Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-1</b> Struggle for Liberation and Mass Movements of Bangladesh	<b>BGS-01</b>	<b>Lesson 1:</b> The Language Movement (Significance of Language Movement)
	<b>BGS-02</b>	<b>Lesson 2:</b> United Front (Formation of the United Front and 21- Point Manifesto, Result of the Election, Reasons behind the Defeat of Muslim League and Victory of United Front, Achievements of Bangalees)
	<b>BGS-03</b>	<b>Lesson 3:</b> The Six-Point Movement (The Six-Point Demand, Reaction to Six-Point Demand) <b>Lesson 4:</b> Historic Case of Agartala, 11-Point Movement <b>Lesson 5:</b> The Mass Uprising of 1969
	<b>BGS-04</b>	<b>Lesson 6:</b> General Election of 1970 (Significance of the Election), <b>Lesson 9:</b> Mass Movements and the July Mass Uprising of 2024 in Bangladesh
	<b>BGS-05</b>	<b>Lesson 7 &amp; 8:</b> Disparity between East and West Pakistan (Political Disparity, Disparity in Administration, Disparity in Defence Forces Disparity in Economy, Cultural Discrimination, Reactions against Discrimination)
<b>Chapter-2</b> Culture and Cultural Diversity of Bangladesh	<b>BGS-06</b>	<b>Lesson 1:</b> Introduction to Cultural Diversity in Bangladesh (Cultural Diversity According to Religion, Cultural Diversity According to Language, Cultural Diversity According to Ethnicity, Diverse Cultural Mixture)
	<b>BGS-07</b>	<b>Lesson 2 &amp; 3:</b> Rural and Urban Culture of Bangladesh (Rural Culture of Bangladesh– a. Culture Oriented with Socioeconomic Life b. Festivals and Recreation, Urban Culture of Bangladesh– a. Socioeconomic Life-based, b. Festivals and Recreation-based)
	<b>BGS-08</b>	<b>Lesson 4:</b> Folk Culture of Bangladesh and its Different Elements (Concept of Folk Culture- (Out of Fear Gaye Holud (Saffron Ceremony), To Remedy Diseases, To be saved from a Bad Omen, To invite Rain), Elements of Folk Culture- a. Materialistic Elements, b. Non-materialistic Elements)
	<b>BGS-09</b>	<b>Lesson 5:</b> Culture of Different Ethnic Groups of Bangladesh (Habitats of Ethnic Groups in Bangladesh, Cultures of Ethnic Groups – (Religion, Festivities, Common Beliefs, Marriage, Dress and Ornaments Food and Drink)
<b>Chapter-3</b> Growth of Child in a Family	<b>BGS-10</b>	<b>Lesson 1:</b> Concept and Nature of Family (Single and joint families), <b>Lesson 2:</b> Rural and Urban Families of Bangladesh
	<b>BGS-11</b>	<b>Lesson 3:</b> Changing trends of Families and Socialisation of Children
	<b>BGS-12</b>	<b>Lesson 4:</b> Role of Family Members and Impact of their Mutual Relationships in Socialisation of Children
<b>Chapter-4</b> Economy of Bangladesh	<b>BGS-13</b>	<b>Lesson 1:</b> Informal Economic Activities of Towns and Villages of Bangladesh (Informal Economic Activities of Rural Areas, Informal Economic Activities of Towns, Contribution of Informal Economic Activities to Economy)
	<b>BGS-14</b>	<b>Lesson 2:</b> Industry of Bangladesh (Large Industries, Medium Industries, Small Industries, Cottage Industries, Contribution of Industry to the Economy of Bangladesh and its Future)
	<b>BGS-15</b>	<b>Lesson 3:</b> Exports and Imports of Bangladesh (Import Products of Bangladesh, Export Products of Bangladesh, Importance of Export and Import)
	<b>BGS-16</b>	<b>Lesson 4:</b> Agro Product Processing Industries - a. Processing Industries, b. Agro Product Processing Industries in Bangladesh, Problems of Traditional System of Processing, Advantages of Modern System, Problems in Processing Industries, Ways to Overcome the Problems
<b>Chapter-5</b> Bangladesh and Citizen of Bangladesh	<b>BGS-17</b>	<b>Lesson 1:</b> Characteristics of a Good Citizen (Intelligence, Self-control, Conscientiousness)
	<b>BGS-18</b>	<b>Lesson 2.1:</b> Barriers to Being a Good Citizen in Bangladesh (Indifference, Selfishness, Partisanship, Ignorance and Illiteracy, Religious Fanaticism, Pompousness, Sectarianism, Economic undevelopment), <b>Lesson 2.2:</b> Measures of Removing the Barriers to Becoming Good Citizens
	<b>BGS-19</b>	<b>Lesson 3:</b> Importance of Good Citizens in Respect of Socio-economic Development of Bangladesh, <b>Lesson 4:</b> Achieving Rights of Citizen and Being Dutiful (Rights of Citizens Duties & Responsibilities of Citizens)

<b>Chapter-6</b> Climate of Bangladesh	<b>BGS-20</b>	<b>Lesson 1:</b> Climate of Bangladesh, <b>Lesson 2:</b> Causes behind the Climate Change in Bangladesh
	<b>BGS-21</b>	<b>Lesson 3:</b> Some Disasters Due to Climate Change <b>3.1:</b> Cyclone and Tidal Wave <b>3.2:</b> Flood <b>3.3:</b> River Erosion <b>3.4:</b> Drought <b>3.5:</b> Cold Wave <b>3.6:</b> Tornado <b>3.7:</b> Nor'wester
	<b>BGS-22</b>	<b>Lesson 4:</b> Measures to Mitigate Effects of Climate Change (Measures in Cyclone, Tornado and Nor'wester Situation, Measures in Flood Situation, Measures in Drought Situation, Measures in River Erosion Situation), <b>Lesson 5:</b> Effects of Climate change on Socio-economic Sector (Agriculture, Fisheries, Health, Industry, Socia)
<b>Chapter-7</b> Introduction to Population of Bangladesh	<b>BGS-23</b>	<b>Lesson 1:</b> Comparison between Populations of Various Regional Countries, <b>Lesson 2:</b> Population variability
	<b>BGS-24</b>	<b>Lesson 3:</b> Reasons and Effects of Internal and External Migration of Population of Bangladesh <b>3.1:</b> Internal Migration (Causes of Internal Migration, Results of Internal Migration) <b>3.2:</b> Causes of International Migration (Results of International Migration)
	<b>BGS-25</b>	<b>Lesson 4:</b> Situation of mother and child mortality in Bangladesh <b>4.1:</b> Maternal Mortality Situation in Bangladesh (Causes of Maternal Mortality, Effects of Maternal Mortality) <b>4.2:</b> Child Mortality Situation in Bangladesh (Causes behind Child Mortality Effects of Child Mortality)
	<b>BGS-26</b>	<b>Lesson 5:</b> Population and Natural Resources of Bangladesh (Pressure on Forest Resources, Pressure on Cultivable Land, Pressure on Gas and Oil, Pressure on Water Resources), <b>Lesson 6:</b> Causes, Effects and Solutions to Population Growth of Bangladesh <b>6.1:</b> Causes of Population Growth <b>6.2:</b> Effects of Population Growth <b>6.3:</b> Steps for Solution of Population Problem
<b>Chapter-8</b> Social Problems in Bangladesh	<b>BGS-27</b>	<b>Lesson 1:</b> Concept of Dowry, Causes and Effects <b>Lesson 2:</b> Law against Dowry
	<b>BGS-28</b>	<b>Lesson 3:</b> Social Movement to resist Dowry, <b>Lesson 4:</b> Concept of Child Marriage and Causes, <b>Lesson 5:</b> Effects of Child Marriage, Resistance and Law
<b>Chapter-9</b> Rights of Senior Citizens and Women in Bangladesh	<b>BGS-29</b>	<b>Lesson 1:</b> Concept of Rights of the Senior Citizens and Their Rights (Rights of the Senior Citizens, Rights to Participate, Rights to Care), <b>Lesson 2:</b> Problems of the Senior Citizens (a) Familial Problem, (b) Economic Problem, (c) Physical Problem, (d) Socio-cultural Problem (e) Psychological Problem
	<b>BGS-30</b>	<b>Lesson 3:</b> Welfare Programme for the Senior Citizens in Bangladesh (Non-government Programmes, Government Programme), <b>Lesson 4:</b> Concept of Women Rights and Situation of Women and Their Rights in Bangladesh (Concept of woman rights, Position of Women in Bangladesh and their rights)
	<b>BGS-31</b>	<b>Lesson 5:</b> Women Rights in Bangladesh and Significance of Their Rights (The Importance of Women Rights in Bangladesh), <b>Lesson 6:</b> Steps to Implement Women Rights of Bangladesh
<b>Chapter-10</b> Some Countries in Asia	<b>BGS-32</b>	<b>Lesson 1:</b> Friendship and Cooperation between Bangladesh-India and Bangladesh-China (India, China)
	<b>BGS-33</b>	<b>Lesson 2:</b> Friendship and Cooperation between Bangladesh and Japan, Korea and Malaysia (Japan, Korea, Malaysia)
<b>Chapter-11</b> Bangladesh & International Cooperation	<b>BGS-34</b>	<b>Lesson 1:</b> International Cooperation: Concept and Significance (The Concept of International Cooperation, Importance of International Cooperation), <b>Lesson 2:</b> The United Nations and its Structure (Background of the United Nations)
	<b>BGS-35</b>	<b>Lesson 3:</b> Objectives and Basic Principles of United Nations (The Objectives, The Basic Principles), <b>Lesson 4:</b> Activities of the United Nations.
	<b>BGS-36</b>	<b>Lesson 5:</b> Role of the United Nations in Maintaining World Peace. <b>Lesson 6:</b> Role of Bangladesh in Peacekeeping Forces

### ICT

Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-1</b> Information and Communication Technology in Daily Life	<b>ICT-01</b>	<b>Lesson 1:</b> Information and Communication Technology in Personal life (Personal Communication, Entertainment, GPS), <b>Lesson 2:</b> Information and Communication Technology in Personal Life, <b>Lesson 3:</b> Information and Communication Technology at workplace, <b>Lesson 4:</b> Information and Communication Technology at workplace, <b>Lesson 5:</b> Information and Communication Technology at workplace, <b>Lesson 6:</b> Information and Communication Technology in Social Life (ICT for Developing Social Relations- a. Invitation to social functions, b. Greeting on special days, C. Preservation and Exchange of Memorable Events <b>Lesson 7:</b> Information and Communication Technology in Social Life

<b>Chapter-2</b> Computer Oriented Devices	<b>ICT-02</b>	<b>Lesson 8:</b> Input Devices (Keyboard, Mouse, Microphone), <b>Lesson 9:</b> Input Devices (Digital Camera, Webcam, Scanner, OMR), <b>Lesson 10:</b> Memory and Storage Devices (ROM), <b>Lesson 11:</b> Storage Devices (Hard Disc, Solid-State Drive, Flash Drive & Memory Card), <b>Lesson 12 &amp; 13:</b> Motherboard and Power Supply (Power Supply)
	<b>ICT-03</b>	<b>Lesson 14:</b> Processor (Arithmetic and Logic Unit, Control Unit, Registered Memory), <b>Lesson 15:</b> Input and Output Device (Sound Card, Graphics Card, Touch Screen), <b>Lesson 16 &amp; 17:</b> Output Device (Monitor, Printer– a. Dot Matrix Printer b. Inkjet Printer, c. Laser Printer), <b>Lesson 18:</b> Output Device (Speaker, Headphones, Multimedia Projector)
<b>Chapter-3</b> Safe and Ethical Use	<b>ICT-04</b>	<b>Lesson 19:</b> Sensible Use <b>Lesson 20-22:</b> Obsession, <b>Lesson 23:</b> Copyright, <b>Lesson 24-26:</b> Ethics and Plagiarism
<b>Chapter-4</b> Word Processing	<b>ICT-05</b>	<b>Lesson 27-36 (Before editing the document on page 57)</b>
	<b>ICT-06</b>	<b>Lesson 37-46 (From editing the document on page 57 to resizing the text on page 58)</b>
	<b>ICT-07</b>	<b>Lesson 47-54 (From bolding the text on page 58 through page 59)</b>
<b>Chapter-5</b> Use of the Internet in Education	<b>ICT-08</b>	<b>Lesson 55-70 (From page 62 to 66)</b>
	<b>ICT-09</b>	<b>Lesson 55-70 (From page 67 to 68)</b>
	<b>ICT-10</b>	<b>Lesson 55-70 (From page 69 to 70)</b>

বাংলা	
Lecture	Lecture-based discussion topics
<b>Ba-01</b>	গদ্য: কাবুলিওয়ালা
<b>Ba-02</b>	২য় পত্র: ভাষা: ভাষা থেকে সাধু ও চলিত ভাষার বৈশিষ্ট্য পর্যন্ত <b>নির্মিত: রচনা-</b> আমাদের গ্রাম
<b>Ba-03</b>	কবিতা: নতুন দেশ
<b>Ba-04</b>	২য় পত্র: ভাষা: সাধু ও চলিত ভাষারীতির পার্থক্য থেকে ব্যাকরণ পর্যন্ত <b>নির্মিত: রচনা-</b> আমাদের জাতীয় পতাকা
<b>Ba-05</b>	আনন্দপাঠ: তোতা-কাহিনি
<b>Ba-06</b>	২য় পত্র: অনুধাবন দক্ষতা, সারমর্ম/সারাংশ।
<b>Ba-07</b>	গদ্য: লখার একুশে
<b>Ba-08</b>	২য় পত্র: ধ্বনি ও বর্ণঃ ধ্বনি থেকে স্বরধ্বনির উচ্চারণ স্থান ও বৈশিষ্ট্য পর্যন্ত। <b>নির্মিত: ভাবসম্প্রসারণ-</b> পিতামাতা গুরুজনে দেবতুল্য জানি, যতনে মানিয়া চল তাহাদের বাণী।
<b>Ba-09</b>	কবিতা: কুলি-মজুর
<b>Ba-10</b>	২য় পত্র: ব্যঞ্জনধ্বনির উচ্চারণস্থান ও বৈশিষ্ট্য থেকে অ্যা ধ্বনির উচ্চরণ পর্যন্ত। <b>নির্মিত: ভাবসম্প্রসারণ-</b> আমাদের দেশে হবে সেই ছেলে কবে কথায় না বড় হয়ে কাজে বড় হবে।
<b>Ba-11</b>	আনন্দপাঠ: জিদ
<b>Ba-12</b>	২য় পত্র: সন্ধি: সন্ধি থেকে ব্যঞ্জন-স্বরে সন্ধি পর্যন্ত। <b>নির্মিত: রচনা-</b> বাংলাদেশের নদনদী
<b>Ba-13</b>	গদ্য: মরু-ভাস্কর
<b>Ba-14</b>	২য় পত্র: স্বরে-ব্যঞ্জন থেকে ব্যঞ্জনসন্ধিঘটিত শব্দের উদাহরণ পর্যন্ত। <b>নির্মিত: রচনা-</b> দর্শনীয় স্থান
<b>Ba-15</b>	কবিতা: আমার বাড়ি
<b>Ba-16</b>	২য় পত্র: আবেদন পত্র ও চিঠি
<b>Ba-17</b>	আনন্দপাঠ: খুদে গোয়েন্দার অভিযান
<b>Ba-18</b>	২য় পত্র: শব্দ ও পদঃ কারক ও বিভক্তি থেকে ক্রিয়া বিভক্তি পর্যন্ত। <b>নির্মিত: রচনা-</b> জাতীয় কবি কাজী নজরুল ইসলাম
<b>Ba-19</b>	গদ্য: শব্দ থেকে কবিতা
<b>Ba-20</b>	২য় পত্র: কর্তৃকারক থেকে সম্প্রদান কারক পর্যন্ত। <b>নির্মিত: রচনা-</b> আমার চারপাশের প্রকৃতি
<b>Ba-21</b>	কবিতা: শ্রাবণে <b>কবিতা: সাম্য</b>
<b>Ba-22</b>	২য় পত্র: অপাদান কারক থেকে মোটা আক্ষরের পদগুলোর কারক ও বিভক্তি নির্ণয় পর্যন্ত। <b>নির্মিত: রচনা-</b> সুন্দরবন
<b>Ba-23</b>	আনন্দপাঠ: দীক্ষা
<b>Ba-24</b>	২য় পত্র: শব্দরূপ
<b>Ba-25</b>	গদ্য: পাখি
<b>Ba-26</b>	২য় পত্র: শব্দার্থ, <b>নির্মিত: রচনা-</b> শহিদ মিনার
<b>Ba-27</b>	কবিতা: গরবিনী মা-জননী
<b>Ba-28</b>	২য় পত্র: শব্দ গঠনঃ শব্দ থেকে সমাসের সাহায্যে শব্দ গঠন পর্যন্ত <b>নির্মিত: ভাবসম্প্রসারণ-</b> লাইব্রেরি জাতির সভ্যতা ও উন্নতির মানদণ্ড
<b>Ba-29</b>	আনন্দপাঠ: পদ্য লেখার জোরে
<b>Ba-30</b>	২য় পত্র: শব্দ গঠনঃ উপসর্গযোগে শব্দ গঠন থেকে বাংলা উপসর্গযোগে শব্দ গঠন <b>ভাবসম্প্রসারণ-</b> পুষ্প আপনার জন্য ফোটে না
<b>Ba-31</b>	গদ্য: পিতৃপুরুষের গল্প

Ba-32	২য় পত্র: বাক্য উপসর্গযুক্ত শব্দের প্রয়োগ থেকে অনুশীলনী পর্যন্ত
Ba-33	আনন্দপাঠ: কোকিল
Ba-34	২য় পত্র: প্রত্যয়যোগে শব্দ গঠন, নির্মিত: রচনা- একটি দিনের দিনলিপি
Ba-35	গদ্য: ছবির রং
Ba-36	২য় পত্র: ভাবসম্প্রসারণ, রচনা
Ba-37	কবিতা: মেলা
Ba-38	২য় পত্র: বাক্যঃ বাক্যের সাধারণ গঠন থেকে উদ্দেশ্য ও বিধেয়র সম্প্রসারণ পর্যন্ত
Ba-39	আনন্দপাঠ: কিং লিয়ার
Ba-40	২য় পত্র: বাক্যের গঠনগত শ্রেণিবিভাগ, নির্মিত: রচনা- শৃঙ্খলাবোধ
Ba-41	গদ্য: সেই ছেলেটি
Ba-42	২য় পত্র: বিপরীতার্থক শব্দ দিয়ে বাক্য রচনা থেকে শেষ পর্যন্ত
Ba-43	কবিতা: এই অক্ষরে
Ba-44	২য় পত্র: বানান (গত্ব-বিধান)
Ba-45	আনন্দপাঠ: যুদ্ধক্ষেত্রে পিতাপুত্র
Ba-46	২য় পত্র: বানান (ষত্ব-বিধান), নির্মিত: ভাবসম্প্রসারণ- বন্যেরা বনে সুন্দর শিশুরা মাতৃক্রোড়ে
Ba-47	গদ্য: বহু জাতিসত্তার দেশ- বাংলাদেশ
Ba-48	২য় পত্র: বিরাম চিহ্ন
Ba-49	কবিতা: সিঁথি
Ba-50	২য় পত্র: সমোচ্চারিত ভিন্নার্থক শব্দ দিয়ে বাক্য রচনা
Ba-51	আনন্দপাঠ: জাগো সুন্দর
Ba-52	২য় পত্র: এক কথায় প্রকাশ (বাক্য সংকোচন), বাগধারা

### English

Lecture	Lecture-based discussion topics
E-01	1st Paper: Unit 1
E-02	2nd Paper: Parts of speech
E-03	1st Paper: Unit 2
E-04	2nd Paper: Noun, its types & number
E-05	1st Paper: Unit 3; Lesson- 1
E-06	2nd Paper: Detailed Discussion on Article
E-07	1st Paper: Unit 3; Lesson- 2, Unseen passage-1
E-08	2nd Paper: Detailed Discussion on Preposition
E-09	1st Paper: Unit 3; Lesson- 3, Unseen passage-2
E-10	2nd Paper: Gap Filling Activities with clues
E-11	1st Paper: Unit 3; Lesson- 4, Unseen passage-3
E-12	2nd Paper: Gap Filling Activities without clues
E-13	1st Paper: Unit 3; Lesson- 5, Unseen passage-4
E-14	2nd Paper: Tense
E-15	1st Paper: Unit 4; Lesson- 1, 2; Unseen passage-5
E-16	2nd Paper: Tense Practice
E-17	1st Paper: Unit 4; Lesson- 3; Matching
E-18	2nd Paper: Right form of verbs part-1
E-19	1st Paper: Unit 4; Lesson- 4, matching
E-20	2nd Paper: Right form of verbs part-2, Introductory it & there
E-21	1st Paper: Unit 4; Lesson- 5; Re-arrange
E-22	2nd Paper: Right form of verbs practice
E-23	1st Paper: Unit 4; Lesson- 6; Re-arrange
E-24	2nd Paper: Substitution table part-1
E-25	1st Paper: Unit 4; Lesson- 7, Re-arrange
E-26	2nd Paper: Substitution table part-2

E-27	<b>1st Paper:</b> Unit 4; Lesson- 8, Re-arrange
E-28	<b>2nd Paper:</b> Kinds of sentences
E-29	<b>1st Paper:</b> Unit 4; Lesson- 9, Re-arrange
E-30	<b>2nd Paper:</b> Changing sentence part-1
E-31	<b>1st Paper:</b> Unit 4; Lesson- 10, 11, 12; Re-arrange
E-32	<b>2nd Paper:</b> Changing sentence part-2
E-33	<b>1st Paper:</b> Unit 5; Lesson- 1; Completing story
E-34	<b>2nd Paper:</b> Changing sentence part-3
E-35	<b>1st Paper:</b> Unit 5; Lesson- 3; completing story
E-36	<b>2nd Paper:</b> Changing sentence practice
E-37	<b>1st Paper:</b> Unit 5; Lesson- 4; Completing story
E-38	<b>2nd Paper:</b> Narration part-1
E-39	<b>1st Paper:</b> Unit 6; Lesson-1, 2, 3, 4
E-40	<b>2nd Paper:</b> Narration part-2
E-41	<b>1st Paper:</b> Unit 6; Lesson-5, completing story
E-42	<b>2nd Paper:</b> Narration exercise
E-43	<b>1st Paper:</b> Unit 6; Lesson- 6, unseen passage-6
E-44	<b>2nd Paper:</b> Punctuation
E-45	<b>1st Paper:</b> Unit 6; Lesson- 7, unseen passage-7
E-46	<b>2nd Paper:</b> Capitalization
E-47	<b>1st Paper:</b> Unit 6; Lesson- 8, Paragraph (basic writings)
E-48	<b>2nd Paper:</b> Punctuation and Capitalization exercise
E-49	<b>1st Paper:</b> Unit 6; Lesson- 9, Paragraph
E-50	<b>2nd Paper:</b> Letter
E-51	<b>1st Paper:</b> Unit 6; Lesson- 10, Paragraph
E-52	<b>2nd Paper:</b> E-mail
E-53	<b>1st Paper:</b> Unit 6; Lesson- 11, Paragraph
E-54	<b>2nd Paper:</b> Composition
E-55	<b>1st Paper:</b> Unit 7; Lesson- 1+2, paragraph
E-56	<b>2nd Paper:</b> Revision
E-57	<b>1st Paper:</b> Unit 7; Lesson- 3+4, paragraph
E-58	<b>2nd Paper:</b> Sample question practice-1
E-59	<b>1st Paper:</b> Unit 7; Lesson- 5, unseen passage-8
E-60	<b>2nd Paper:</b> Sample question practice-2
E-61	<b>1st Paper:</b> Unit 8; Lesson- 1, unseen passage- 9
E-62	<b>1st Paper:</b> Unit 8; Lesson- 2, unseen passage-10
E-63	<b>1st Paper:</b> Unit 8; Lesson- 3, Dialogue
E-64	<b>1st Paper:</b> Unit 8; Lesson- 4, Dialogue
E-65	<b>1st Paper:</b> Unit 8; Lesson- 5, Dialogue
E-66	<b>1st Paper:</b> Unit 9; Lesson- 1, 2, Dialogue
E-67	<b>1st Paper:</b> Unit 9; Lesson-3
E-68	<b>1st Paper:</b> Revision



দেশব্যাপী **উদ্ভাস-উল্লেখ** এর  
শাখাসমূহের বিস্তারিত ঠিকানা  
দেখতে **QR** কোডটি স্ক্যান করো

**উদ্ভাস-উল্লেখ** এর  
**App** ডাউনলোড করতে  
**QR** কোডটি স্ক্যান করো

