



Syllabus (Science)

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01	Bangla 1st & 2nd Paper	12	06	Higher Mathematics	18
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Total: 125 Lectures					

Bangla 1st & 2nd Paper

Lecture	Content
Ba-01	১ম পত্র- গদ্য: সুভা; কবিতা: জুতা-আবিষ্কার, বঙ্গবাণী ২য় পত্র- ব্যাকরণ: ভাষা ও বাংলা ভাষা, বাংলা ব্যাকরণ, বাংলা ভাষার রীতি ও বিভাজন, বাগ্যন্ত্র
Ba-02	১ম পত্র- গদ্য: বইপড়া, নিমগাছ; কবিতা: জীবন-সঙ্গীত ২য় পত্র- ব্যাকরণ: ধ্বনি ও বর্ণ, স্বরধ্বনি, ব্যঞ্জন ধ্বনি, বর্ণের উচ্চারণ
Ba-03	১ম পত্র- গদ্য: অভাগীর স্বর্গ; কবিতা: কপোতাক্ষ নদ, সেইদিন এই মাঠ ২য় পত্র- ব্যাকরণ: শব্দ ও পদের গঠন, উপসর্গ, সমাস, প্রত্যয়
Ba-04	১ম পত্র- গদ্য: উপেক্ষিত শক্তির উদ্ধোধন; কবিতা: মানুষ, আশা ২য় পত্র- ব্যাকরণ: সন্ধি, শব্দদ্বিত্ব, নরবাচক ও নারীবাচক শব্দ, সংখ্যাবাচক শব্দ, শব্দের শ্রেণিবিভাগ; নির্মিত: অনুচ্ছেদ লিখন
Ba-05	১ম পত্র- গদ্য: আম-আঁটির ভেঁপু, মানুষ মুহম্মদ (স.); কবিতা: পল্লিজননী ২য় পত্র- ব্যাকরণ: পদ বিবেচনায় শব্দ (বিশেষ্য-আবেগ)
Ba-06	১ম পত্র- গদ্য: শিক্ষা ও মনুষ্যত্ব, নিয়তি; কবিতা: আমি কোন আগন্তুক নই ২য় পত্র- ব্যাকরণ: ক্রিয়ার কাল, বাক্যের অংশ ও শ্রেণিবিভাগ, বাক্যের বর্গ, উদ্দেশ্য ও বিধেয়; নির্মিত: সারাংশ/সারমর্ম ও ভাব-সম্প্রসারণ
Ba-07	১ম পত্র- গদ্য: প্রবাস বন্ধু, মমতাদি; কবিতা: রানার ২য় পত্র- ব্যাকরণ: সরল, জটিল ও যৌগিক বাক্য, বাক্যের রূপান্তর
Ba-08	১ম পত্র- গদ্য: একাত্তরের দিনগুলি; কবিতা: তোমাকে পাওয়ার জন্যে হে স্বাধীনতা, বর্ণার গান ২য় পত্র- ব্যাকরণ: কারক, বাচ্য; নির্মিত: চিঠিপত্র ও দরখাস্ত
Ba-09	১ম পত্র- গদ্য: পল্লিসাহিত্য, সাহিত্যের রূপ ও রীতি; কবিতা: আমার পরিচয় ২য় পত্র- ব্যাকরণ: যতিচিহ্ন, উক্তি, প্রতিশব্দ, বিপরীত শব্দ
Ba-10	১ম পত্র- গদ্য: পয়লা বৈশাখ; কবিতা: স্বাধীনতা, এই শব্দটি কীভাবে আমাদের হলে, সাহসী জননী বাংলা ২য় পত্র- বচন, বিভক্তি, ক্রিয়াবিভক্তি
Ba-11	১ম পত্র- উপন্যাস: কাকতালুয়া ২য় পত্র- ব্যাকরণ: বাগর্থ, বাগ্ধারা; নির্মিত: সংবাদ প্রতিবেদন
Ba-12	১ম পত্র- নাটক: বহির্পীর ২য় পত্র- ব্যাকরণ: শব্দজোড়; নির্মিত: প্রবন্ধ রচনা লিখন কৌশল

English 1st & 2nd Paper

Lecture	Content
E-01	1st Paper: Unit-01 (Lesson 1, 2 & 3) 2nd Paper: Fill in the gaps (With Clues)
E-02	1st Paper: Unit-01 (Lesson 4), Unit - 02 (Lesson 1 & 2); Unseen passages (Part-01) 2nd Paper: Fill in the gaps (Without Clues)
E-03	1st Paper: Unit-02 (Lesson 3, 4 & 5), Unit - 03 (Lesson 2 & 3); Matching 2nd Paper: Right Form of verbs
E-04	1st Paper: Unit-03 (Lesson 4, 5 & 6); Unseen (Part-02) 2nd Paper: Narration



E-05	1st Paper: Unit-04 (Lesson 1-5); Graph Chart 2nd Paper: Transformation (Simple, Complex & Compound); Formal letter writing
E-06	1st Paper: Unit- 05 (Lesson 1-4) Pie-chart 2nd Paper: Transformation: (Affirmative, Negative, Interrogative, Optative & Exclamatory)
E-07	1st Paper: Unit- 05 (Lesson 5), Unit-06 (Lesson 1-5), Story writing 2nd Paper: Transformation: (Voice & Comparison of Degrees)
E-08	1st Paper: Unit- 07 (Lesson 1, 2, 3, 5); Rearranging 2nd Paper: Completing Sentences
E-09	1st Paper: Unit- 07 (Lesson 7 & 8), Unit- 08 (Lesson 1 & 2) 2nd Paper: Suffix- Prefix, CV writing
E-10	1st Paper: Unit- 08 (Lesson 3 & 4), Unit- 09 (Lesson 1-3); Dialogue 2nd Paper: Tag Questions, Matching
E-11	1st Paper: Unit- 10 (Lesson 3 & 4), Unit-11: (Lesson 1 & 2), Paragraph 2nd Paper: Connector: (Part-01)
E-12	1st Paper: Unit-12 (Lesson 1, 2 & 3) & Unit-13 (Lesson 1 & 2), Email writing 2nd Paper: Connector: (Part-02), Punctuation & Capitalization
E-13	Unit-13 (Lesson 3), Unit- 14 (Lesson 6-11), Informal letter writing 2nd Paper: Paragraph; Composition; Overall revision of grammar

Physics

Lecture	Content
P-01	Chapter-02 Motion: 2.1-2.8 Up to Law of Falling Bodies
P-02	Chapter-02 Motion: 2.8 distance-time,, Velocity-time, acceleration-time Graphs Chapter-01 Physical Quantities and Their Measurements
P-03	Chapter-03 Force: 3.1-3.5
P-04	Chapter-03 Force: 3.6 to the end of the chapter
P-05	Chapter-04 Work, Power and Energy
P-06	Chapter-05 State of Matter and Pressure
P-07	Chapter-06 Effect of Heat on Matter
P-08	Chapter-07 Waves and Sound
P-09	Chapter-08 Reflection of Light
P-10	Chapter-09 Refraction of Light
P-11	Chapter-10 Static Electricity: 10.1-10.6
P-12	Chapter-10 Static Electricity: 10.7 to the end of the chapter and re-discussion-(10.4 Electric Force, 10.6 Electric Potential, 10.6.1 Potential Difference, 10.7 Capacitor) Chapter-13 Modern Physics and Electronics
P-13	Chapter-11 Current Electricity
P-14	Chapter-12 Magnetic Effects of Current Chapter-14 Physics to Save Lives

Chemistry

Lecture	Content
C-01	Chapter-01 Concepts of Chemistry Chapter-02 States of Matter
C-02	Chapter-03 Structure of Matter
C-03	Chapter-04 Periodic Table
C-04	Chapter-05 Chemical Bond
C-05	Chapter-05 Chemical Bond: 5.12 Re-discussion-(Characteristics of Ionic and Covalent Bonds) Chapter-06 Concept of Mole and Chemical Counting: 6.1-6.2
C-06	Chapter-06 Concept of Mole and Chemical Counting: 6.3 to the end of the chapter
C-07	Chapter-07 Chemical Reactions: 7.1 – 7.2.3 Before of (Non Redox Reaction)



C-08	Chapter-07 Chemical Reactions: 7.2.3 Non Redox Reaction to the end of the chapter
C-09	Chapter-08 Chemistry and Energy
C-10	Chapter-09 Acid-Base Balance
C-11	Chapter-10 Mineral Resources: Metal-Nonmetal
C-12	Chapter-11 Mineral Resources: Fossils: 11.1 –11.3
C-13	Chapter-11 Mineral Resources: 11.4 to the end of the chapter
C-14	Chapter-12 Chemistry in Our Lives

Mathematics

Lecture	Content
M-01	Chapter-03 Algebraic Expressions: 3.1 – 3.3
M-02	Chapter-03 Algebraic Expressions: 3.4 – 3.5 Chapter-01 Real Numbers
M-03	Chapter-02 Sets and Functions
M-04	Chapter-04 Exponents and Logarithms
M-05	Chapter-13 Finite Series
M-06	Chapter-11 Algebraic Ratio and Proportion
M-07	Chapter-05 Equations in One Variable Chapter-12 Simple Simultaneous Equations in Two Variables
M-08	Chapter-06 Lines, Angles and Triangles
M-09	Chapter-07 Practical Geometry
M-10	Chapter-08 Circle: 8.1 – 8.3
M-11	Chapter-08 Circle: 8.4 – 8.5
M-12	Chapter-14 Ratio, Similarity and Symmetry: 14.1 – 14.2; Similarity - theorem (32-35)
M-13	Chapter-14 Ratio, Similarity and Symmetry: 14.2; Similarity - Construction (12) – 14.3; Chapter-15 Area Related Theorems and Constructions: Area of a Plane Region- theorem (36-38)
M-14	Chapter-15 Area Related Theorems and Constructions: Area of a Plane Region- theorem (39) + Construction-(13-15)
M-15	Chapter-09 Trigonometric Ratio: 9.1 Trigonometric ratios of an acute angle
M-16	Chapter-09 Trigonometric Ratio: 9.2 Trigonometric ratios for the angles 30° , 45° and 60°
M-17	Chapter-10 Distance and Elevation
M-18	Chapter-16 Mensuration: 16.1 – 16.2
M-19	Chapter-16 Mensuration: 16.3 – 16.4
M-20	Chapter-17 Statistics

Higher Mathematics

Lecture	Content
H.M-01	Chapter-01 Set and Function
H.M-02	Chapter-02 Algebraic Expression
H.M-03	Chapter-03 Geometry: theorem (1-5); Exercises: 3.1; theorem (6-10)
H.M-04	Chapter-03 Geometry: theorem (11-12); Exercises: 3.2 Chapter-05 Equation: Exercises (5.1-5.2)
H.M-05	Chapter-05 Equation: Exercises (5.3-5.7)
H.M-06	Chapter-04 Geometric Constructions
H.M-07	Chapter-06 Inequality
H.M-08	Chapter-07 Infinite Series
H.M-09	Chapter-08 Trigonometry: Exercises (8.1-8.2)
H.M-10	Chapter-08 Trigonometry: Exercises 8.3 Chapter-09 Exponential and Logarithmic Function: Exercises 9.1 (Rational & Irrational Exponents)
H.M-11	Chapter-09 Exponential and Logarithmic Function: Exercises 9.1 (Roots and Rational Exponents); Exercises 9.2
H.M-12	Chapter-10 Binomial Expansion
H.M-13	Chapter-11 Coordinate Geometry: Exercises (11.1-11.3)



H.M-14	Chapter-11 Coordinate Geometry: Exercises 11.4
H.M-15	Chapter-12 Planar Vector
H.M-16	Chapter-13 Solid Geometry: Rectangular Parallelepiped, Cube, Prism, Pyramid
H.M-17	Chapter-13 Solid Geometry: Cone, Sphere, Compound Solid
H.M-18	Chapter-14 Probability

Biology

Lecture	Content
B-01	Chapter-01 Lessons on Life
B-02	Chapter-02 Cells and Tissues of Organisms: 2.1 – 2.3.1
B-03	Chapter-02 Cells and Tissues of Organisms: 2.3.2 to the end of the chapter Chapter-03 Cell Division
B-04	Chapter-04 Bioenergetics
B-05	Chapter-05 Food, Nutrition and Digestion: 5.1 – 5.8.2 (Up to Functions of liver)
B-06	Chapter-05 Food, Nutrition and Digestion: 5.8.2 (Pancreas) to the end of the chapter Chapter-07 Exchange of Gases
B-07	Chapter-06 Transport in Organisms
B-08	Chapter-08 Excretory System Chapter-09 Firmness and Locomotion
B-09	Chapter-10 Co-ordination
B-10	Chapter-11 Reproduction in Organism
B-11	Chapter-12 Heredity in Organisms and Evolution
B-12	Chapter-13 Environment of life Chapter-14 Biotechnology

Bangladesh And Global Studies

Lecture	Content
BGS-01	Chapter-01 The Political Movement in East Bengal and the Rise of Nationalism (1947-1970)
BGS-02	Chapter-02 The Independent Bangladesh
BGS-03	Chapter-03 The Solar System and the Earth Chapter-04 The Configuration of Land and the Climate of Bangladesh
BGS-04	Chapter-05 The Rivers of Bangladesh and the Natural Resources Chapter-06 The State, Citizenship and Law
BGS-05	Chapter-07 The Organs of Bangladesh Government and the Administrative Systems
BGS-06	Chapter-08 The Democracy of Bangladesh and the Election
BGS-07	Chapter-09 The United Nations and Bangladesh Chapter-10 Sustainable Development Goals (SDG)
BGS-08	Chapter-11 The National Resources and the Economic Systems
BGS-09	Chapter-12 The Economic Indicators and the Nature of the Economy of Bangladesh
BGS-10	Chapter-13 The Financial and Banking Systems of the Government of Bangladesh
BGS-11	Chapter-14 The Family Structure of Bangladesh and Socialisation Chapter-15 The Social Change of Bangladesh
BGS-12	Chapter-16 Social Problems of Bangladesh and Their Remedies

Information And Communication Technology

Lecture	Content
ICT-01	Chapter-01 Information and Communication Technology and Our Bangladesh Chapter-02 Computer and the Security of the User
ICT-02	Chapter-03 The Internet in My Education Chapter-04 My Writings and Accounts



ICT-03	Chapter-05 Multimedia and Graphics: Before of (Illustrator)
ICT-04	Chapter-05 Multimedia and Graphics: Illustrator to the end of the chapter
ICT-05	Chapter-06 The Use of Database

Islam and Moral Education

Lecture	Content
R-01	Chapter-01 Aqaid and Moral Life
R-02	Chapter-02 Sources of Akhirat
R-03	Chapter-03 Ibadat
R-04	Chapter-04 Akhlaq
R-05	Chapter-05 Model Lives

Hindu Religion and Moral Education

Lecture	Content
R-01	Chapter-01 Creator & Creation Chapter-04 Sangskers in Hinduism
R-02	Chapter-02 Faith, Origin and Manifestation of Hinduism Chapter-03 Religious Customs and Ceremonies
R-03	Chapter-05 Deitis & Puja Chapter-06 Yogasadhana
R-04	Chapter-07 Moral Education in Religious Book Chapter-09 Dharma Path (The Ways of Religion) and Ideal life
R-05	Chapter-08 Religious Episodes and Moral Education Chapter-10 Avatar and Story of Ideal Life

For any information regarding the program contact the number below

Branches in Dhaka:

Mirpur-01713-236705, **Rupnagar**-01713-236734, **Cantonment**-01713-236724, **Uttara**-01713-236707, **Mohammadpur**-01713-236701, **Science Lab**-01713-236706
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