



**BANGLADESH INTERNATIONAL TUTORIAL**  
**SYLLABI FOR MID-TERM EXAMINATION: 2020 – 2021**  
**INTERNATIONAL ADVANCED LEVEL**  
**CLASS: XII**

**SUBJECT: MATHEMATICS**

Syllabus will be followed according to Edexcel IAL syllabus/curriculum (full)

- UNIT- P3** : Chapters: 1, 2, 3, 4, 5 & 6  
**UNIT- P4** : Chapters: 1, 2, 3, 4 & 5  
**UNIT C34** : i. C3- Chapters: 1, 2, 3, 5, 6, 7 & 8  
ii. C4- Chapters: 1, 2, 3 & 4  
**UNIT-M2:** Chapters 1, 2, 3 & 4  
**UNIT-F2:** Chapters 1, 2, 3, 4 & 5  
**UNIT-S2:** Chapters: 1, 2, 3, 4 & 5  
**UNIT-S3:** Chapters: 1, 2, 3 & 4  
**UNIT F3:** Chapters: 1, 2, 3 & 4  
**UNIT M3:** Chapters: 1, 2, 3 & 4

**SUBJECT: PHYSICS**

- UNIT – 4:**  
Full Syllabus According to Edexcel Curriculum and Format Excluding particle physics
- UNIT – 5:**  
Full Syllabus According to Edexcel Curriculum and Format
- UNIT – 6:**  
A. Full Syllabus (Unit – 4 & 5) According to Edexcel Curriculum and Format.  
B. Measurements with  
i. Micrometer.  
ii. Slide Calipers.  
iii. Meter Rule.  
iv. Stop Watch.  
v. Known Mass  
vi. Multi meter  
vii. Power Supply.

**SUBJECT: CHEMISTRY**

**Unit 4**

- Topic - 11:** Further Kinetics (11A)  
**Topic - 12:** Entropy (12A)  
**Topic - 13:** Chemical Equilibria (13A)  
**Topic - 15:** Chirality, Carbonyl Compounds (15A – 15B)

**Unit 5**

- Topic - 16:** Standard Electrode Potential, Redox in Action (16A – 16B)  
**Topic - 17:** Principles of Transition Metals Chemistry (17A)  
**Topic - 18:** Arenes (18A)

**Topic - 19:** Amines, Amides, Amino Acids & Proteins (19A)

## **Unit 6**

- Identification of Ions (Cations, Anions)
- Electrochemical Cells
- Titrations
- Organic Analysis

Suggested Book: Chemistry, Pearson Edexcel International A Level Student Book 2

## **SUBJECT: BIOLOGY**

Pearson Edexcel International A Level student Book – 2 by Ann Fullick

**UNIT – 4** Topic-5: Energy Flow, Ecosystems & The Environment (Page: 1 – 85)

**UNIT – 5** Topic-7: Respiration, Muscles & Internal Environment (Page: 162 – 233)

**UNIT – 6** Related topics to Unit 4 & 5

## **SUBJECT: ECONOMICS**

**UNIT- 3: (IAL full syllabus)**

### **3.3.1: The Firm and Its Objectives**

1. Objectives
2. Size of business
3. Transnational companies (TNCs)

### **3.3.2: Revenue, Costs and Profit**

1. Revenue
2. Cost
3. Economies and Diseconomies of Scale
4. Profit

### **3.3.3: Market structures and Contestability**

1. Perfect Competition
2. Monopolistic Competition
3. Oligopoly
4. Monopoly
5. Monopsony
6. Contestability

### **3.3.4: Labour Markets**

### **3.3.5: Government Intervention to Promote Competition**

1. Government Intervention to Promote International Competitiveness

**UNIT – 4: (IAL full syllabus)**

**4.3.1:** Causes and Effects of Bangladesh.

**4.3.2:** Trade and the World Economy.

**4.3.3:** Balance of Payments and Exchange Rates.

**4.3.4:** Poverty and Inequality.

**4.3.5:** The Role of the State in the Macroeconomy

- Taxation
- Macroeconomic Policies

**4.3.6:** Growth and development in development in developing, emerging and developed economics.

1. Measures of economic development
2. Constraints on growth and development
3. Measures to promote growth and development

## **SUBJECT: ACCOUNTING**

### **UNIT – 2: CORPORATE AND MANAGEMENT ACCOUNTING**

#### **Full syllabus according to Edexcel IAL Specification**

#### **Relevant Chapters are:**

1. Limited companies
2. Investment evaluation
3. Cash flow statements
4. Budgeting
5. Standard costing
6. Capital budgeting and appraisal
7. Cost behaviour and break-even
8. Marginal and absorption costing.

**N.B: Edexcel IAL Accounting Unit- 2 Question Papers (Latest 5 Years)**

## **SUBJECT: BUSINESS STUDIES**

**Book: Business (Student Book 2 – by Rob Jones)**

### **Unit – 3**

Chapter: 1 – 8, 14, 15 & 16

### **Unit – 4**

Chapter: 22 – 26, 31 – 34

## **SUBJECT: LAW**

**Paper- 1: (Underlying Principles of Law and the English Legal System)**

- 1) The distinction between rules and law
- 2) The role, function and benefits of law in society
- 3) Theories of punishment
- 4) Positivism, natural law, utilitarianism
- 5) Law of mortality (The Hart/Devlin Debate)
- 6) Classification of law
- 7) Relationship between civil & criminal law
- 8) The development of sources of English Law (Chapter: 2)
- 9) Creation of an Act of Parliament
- 10) Judicial Interpretation of Statutes
- 11) Delegated Legislation
- 12) The doctrine of precedent
- 13) Methods of civil dispute resolution

**Paper- 2: (The Law in Action)**

- 1) Nature of Contract
- 2) Offer and Acceptance
- 3) Legal Intention
- 4) Consideration
- 5) Capacity
- 6) Terms in a contract
- 7) Validity of contracts
- 8) Privity of contract
- 9) Negligence
- 10) Consumers Protection Act 1987
- 11) Remedies for the market (Damages, Injunction)
- 12) The nature of criminal liability
- 13) Property offences
- 14) General defenses (duress, intoxication)
- 15) Sanctions and sentencing (Custodial, community, financial, discharge)