



ACADEMIA
Syllabus for Half Yearly Examination
(Session: July 2019 to June 2020)
Class: IX

BANGLA (Time: 2: 30 hrs.)

Full marks: 40+60=100

বইঃ বাংলা সাহিত্য , নবম-দশম শ্রেণী **An Introductory To O'level Bengali**

গদ্যঃ প্রতুপকার. লাইব্রেরি . আম আঁটির ভেপু

পদ্যঃ জুতা আবিষ্কার, বন্দনা

অনুবাদ : Passage Translation from English To Bangla

রচনা : সম- সাময়িক বিষয়ের উপর (শিল্প- সাহিত্য , সংস্কৃতি , দেশ, মানুষ, বর্তমান প্রেক্ষাপট, তথ্য - প্রযুক্তি)

*নির্ধারিত গদ্য ও পদ্যের বাইরে যে কোন উৎস থেকে অনুচ্ছেদ (comprehension) থাকতে পারে। (Edexcel ও CIE Q/P, সংবাদ পত্র থেকে সম-সাময়িক বিষয়)

প্রশ্নের ধরনঃ ১.শব্দার্থ ২.অনুচ্ছেদ পড়ে সঠিক শব্দ বসাও ৩.ভবিষ্যৎ পরিকল্পনার লেখা গুলো পড়ে বাক্যের সাথে শব্দ মিলাও

৪. শব্দ মালা বসিয়ে শূন্যস্থান বসাও ৫.অনুচ্ছেদ পড়ে প্রশ্নের উত্তর দাও ৬.সৃজনশীল প্রশ্নের উত্তর লেখা ৭. অনুচ্ছেদ থেকে M.C.Q প্রশ্ন ৮. রচনা লিখ ৯. ছবি দেখে প্রশ্নের উত্তর দাও ১০. অনুবাদ (English to Bangla)

ENGLISH (Time: 3.00 hrs.)

Full marks: 40+60=100

Book : English Language B Student Book

Section A

NON FICTION TEXT: types of texts, identifying writer's perspective, audience and purpose, language for different effects, fact opinion and expert advice, structure of a text, unseen text, putting into practice, comparing text, identifying key information, analyzing the text, selecting evidence, comparisons.

UNSEEN TEXT: FROM BOOK AND HANDOUTS

2. Section B and C

Writing skills and grammar: form, vocabulary for effect, sentences for effect, openings and putting into practice, characters, monologues and dialogues, descriptive writing, vocabulary for effect, sentences for effect, and putting into practice

Mathematics B Time: (Paper 1: 1Hour 30 Minutes), (Paper 2: 2 Hours) Full marks-40+60=100

Book: 1. EXTENDED MATHEMATICS FOR IGCSE BY DAVID RAYNER

2. EDEXCEL INTERNATIONAL GCSE MATHEMATICS B by David Turner, B.V. Hony, I. A. Potts, W. R. J. Waite.

Chapter 3 (Mensuration): Area, The circle, Arc length and sector area, Chord of a circle, Volume, Surface area, Revision Exercise 3A & 3B.

Chapter 8 (Sets, Vectors, Functions) Sets, Logical problems, Vectors, Column vectors, Vector geometry, Functions, Revision Exercise 8A & 8B.

Chapter 9 (Matrices and Transformations) Matrix operations, The inverse of a matrix, Simple transformations, Transformations using matrices, Revision Exercise 9A & 9B

FURTHER PURE-MATHEMATICS Time: (Paper 1: 2 Hours), (Paper 2: 2 Hours)

Full marks-40+60=100

Book: 1. Further Pure Mathematics Student Book By Ali Datto 2. Pure Mathematics- By Lee Peng Yee

Chapter 9: Differentiation All Exercise , **Chapter 10 : Integration** All Exercise, **Chapter – 11 : Trigonometry** All Exercise

PHYSICS: (Time: 2.00 hrs.)

Full marks: 40+60=100

Book: Edexcel International GCSE (9-1) student book Physics

Chapter 15: Thermal Energy, **Chapter 16:** Work and power, **Chapter 17:** Energy Resources and Electricity generation, **Chapter 18:** Density and pressure, **Chapter 19:** Solids liquids and gases , **Chapter 20:** Magnetism and Electromagnetism, **Chapter 21:** Electric motor and Electromagnetic Induction.

CHEMISTRY: : (Time: 2.00 hrs.)

Full marks: 40+60=100

Book: Edexcel International GCSE (9-1) student book Chemistry

CHAPTER 16:Acids . Alkalis & Titrationsn CHAPTER 17:Acids, Bases and salt preparation

CHAPTER 18: Chemicals Tests . CHAPTER 19 : Energetics, Chapter 20 : Rates of Reaction

BIOLOGY : (Time : 2:00 hrs)

Full Marks : 40+60 = 100

Book: Edexcel International GCSE (9-1) student book Biology by Steve Potter and Philip Bradfield, Edexcel IGCSE Biology Pearson and Bradfield P Longman

Unit –2: Animal Physiology – 1) Breathing and gas exchange, 2) Coordination, 3)Chemical coordination, 4) Homeostasis and excretion: **Page(104 - 111).**

Unit –3: Plant Physiology-1) Chemical coordination in plants. **Unit-4:** 1) Ecosystems .2)Human Influences on the environment.

HUMAN BIOLOGY: (Time : 2:00 hrs)

Full Marks : 40+60 = 100

Book: Edexcel International GCSE (9-1) student book Human Biology by Steve Potter and Philip Bradfield

Unit 1: Chapter-1. Cells and tissues: Cells, Tissues and Organs, Unit 1: Chapter- 3. **Biological Molecules:** (Page no 38-39, 43 – 46, from Human Biology Student Book), Unit 2: Chapter- 5. **Respiration and Gas exchange,** Unit 2: Chapter-6. **Internal transport:** (Page no 104 -114 from Human Biology Student Book), Unit 3: Chapter-7. **Bones, Muscles and Joints,** Unit 3: Chapter-8. **Sensory Receptors – The Eye and The Ear,** Unit 3: Chapter- 9. **Coordination,** Unit 3: Chapter- 10. **Homeostasis and Excretion.**

ECONOMICS: (Time:2:00 hrs.)

Full marks: 40+60=100

Book : Edexcel IGCSE (9-1) Economics by Rob Jones

Unit-1.1 The Market System: Chapter- 9,
Review Chapter: 1 to 13

Unit- 2.1: Chapters- 25 to 34

ICT (Time: 2.00 hrs.)

Full marks: 40+60=100

Book: Information and Communication Technology (Pete Bell)

Unit 1: Digital Devices, **Unit 2:** Connectivity.

Practical: i) MS Paint ii) MS Excel iii) MS Word iv) MS PowerPoint.

BUSINESS STUDIES: (Time: 2:00hrs)

Full marks: 40+60=100

Book: Edexcel International GCSE (9-1) student book by Rob Jones

Chapter 11: International trade and exchange rates, **Chapter 12:** Government objectives and policies, **Chapter 16:** The importance of good communication in business, **Chapter 17:** Barriers to communication in business, **Chapter 18:** Recruitment and selection, **Chapter 27:** Costs, **Chapter 28:** Break –even – analysis, **Chapter 33:** Market research, **Chapter 37:** Price, **Chapter 39:** Promotion, **Chapter 41:** Methods of production,

ACCOUNTING: (Time: 2.30 hrs)

Full marks: 40+60=100

Book: Business Accounting -1,12th edition (Frank Wood & Alan Sangster)

Chapter 10: Accounting concepts and assumption, **Chapter 17:** The journal, **Chapter 24:** Capital expenditure and revenue expenditure, **Chapter 28:** Accruals and prepayments and other adjustments for financial statements, **Chapter 30:** Bank reconciliation statements , **Chapter 31:** Control accounts, **Chapter 32:** Errors not affecting the balancing of the trial balance, **Chapter 33:** Suspends accounts & errors, **Chapter 34:** Introduction to accounting ratio, **Chapter 37:** Manufacturing Accounts

COMMERCE: (Time: 2.30 hrs)

Full marks: 40+60=100

Book: Text book of Commerce 5th Edition by Lynda Fitzmaurice

1. Transport: (a) Importance: define transport, Show understanding of the importance of transportation on the chain of distribution. (b) Types: state and show knowledge of the different forms of transportation available to commerce: road, rail, sea and air, evaluate benefits to a business of having in own transport, evaluate the efficiency of the various forms of transport in relation to cost, speed, reliability and safety, situations, convenience, distance. (c) Containerization: identify the main features of containers, explain why containers are used, advantages and disadvantages. (d) Trends: describe modern trends in the distribution of goods, e.g. growth of air freight, couriers. **2. Banking:** (a) Money: outline the functions of money and the role of money in a developed economy, including the concept of legal tender, identify and explain reasons for the use of the different types of money: notes and coins, bank deposits, credit, function of a central bank. (b)Types of Bank: describe the main features and evaluate the use of the following services provided for businesses and consumers by the commercial banks and other organizations such as post offices: (i) accepting deposits: current, fixed deposit and savings accounts, night safes. (c) Payment methods: cheques, standing orders, bank gyro, direct debts, bank draft, debit cards, electronic transfers, postal orders, special delivery, cash on delivery. (d) Other important services: e.g. financial, investment and taxation advice,

insurance service, provision and exchange of foreign currencies, ATMs, credit cards, outline the main functions of a central bank (e) Trends in banking: describe recent developments, e.g. telephone banking, internet banking, mobile banking and analyses their likely implications. **3. Communication:** Importance, Methods, Internal and External communications, Analysis of given situations in the choice of the communication, Equipment used in communication and main documents used in business communication. **4. Insurance:** (a) Purpose (b) Business & personal risk. (c) Principles (d) Arranging insurance cover (e) Making claim

Bangladesh Studies. (Time : 2:00 hrs.)

Full Marks : 40 + 60 =100

Paper 1

Section A: Mandatory

1. Towards Bengali independence(1947 – 1975): 1.4 Problems Faced by the Republic of Bangladesh(1971 – 1975)

Section B: (choose one topic)

3. The Mughal Empire:3.4 The end of Mughals and the arrival of the British

4. Bengal under British Rule(1764 – 1911):4.3 Bengal in the 19 th century, 4.4 The first partition of Bengal(1905 – 1911)

Section C: (choose one topic)

5. The road to partition (1909 – 1947)5.3 The Pakistan Movement: limited progress(1927 – 1939), 5.4 The Pakistan Movement: settlement to partition.

6. Bangladesh establishing the new country (1975- 2001)6. 3 The heritage and culture of Bangladesh, 6.4 language and literature developments in Bangladesh.

Paper 2

The landscape, people and economy on Bangladesh

Section A:

1. The Physical Environment1.3 Relief, drainage and hydro – meteorological hazards, 1.4 natural resources and exploitations

Section B:

2. The Human Environment 2.3 Globalization including TNC's can cause rapid change for economics such as Bangladesh.2.4 The challenges of economic development for Bangladesh.

Section C:

3. Challenges for Bangladesh 3.2 Quality of life in rural Bangladesh: challenges of life in rural communities, 3.3 Quality of life in urban Bangladesh: challenges of life in urban communities

3.4 Present and future impacts of climate change on the people , economy and environment of Bangladesh and possible mitigation strategies.