



**SJCJC PLACEMENT EXAMS
FRIDAY, MARCH 31, 2023
PROCEDURES & GUIDELINES**

Dear Incoming Student,

We share with you relevant information about the St. John's College Junior College (SJCJC) Placement Exams.

1.) As part of the admission process to the junior college, you are required to take the SJCJC Placement Exams in English and Mathematics on our Landivar Campus, if you did not take the ATLIB Examinations. Please note the change in date from Monday, April 3rd to **Friday, March 31st, 2023**.

2.) For exam purposes, kindly bring along pens/pencils and a photo ID (passport, social security card, high school ID, or driver's license). **Your photo ID will be checked by the respective invigilator prior to the start of exams.** Cell phones will need to be turned off and placed in your bag at front of the room, and Smart watches will not be allowed.

The ATLIB or SJC Placement Exams assist our college in determining whether you should be placed in college-level English and Math courses, or if you will benefit from remedial courses in one or both subject areas. **Failure to take either set of exams results in your automatic placement in fundamental English and Math.**

The following two statements are intended for applicants for the Math & Science or Computer Science Department ONLY:

3.) Applicants who selected Math/Physics, Interdisciplinary Science, Computer Science, or Pre-Engineering as their first track of choice are required to take the SJCJC Math Placement Exam, **regardless of whether they took the ATLIB Math Examination.**

4.) Applicants who selected Biology/Chemistry, Interdisciplinary Science, Math/Physics, Nursing, or Pre-Engineering as their first track of choice are required to take the SJCJC Chemistry Placement Exam.

In closing, we provide you with guidelines and topics to assist your exam preparations (see attachments) and encourage you to contact the Office of Admissions and Enrollment at 223-3731 or by email at admissions@jc.sjc.edu.bz with questions you may have.

Sincerely,

L. McCoy (Ms.)
Director of Admissions and Enrollment, SJC

ENGLISH PLACEMENT EXAM (8:00 am – 9:30 am)

The exam will consist of **TWO** sections as follows:

PART I

This section assesses students' ability to derive meaning from a range of reading passages and to determine the meaning of words and phrases in short and extended contexts. The section consists of the following content domains:

- Synonyms
- Sentence Completion
- Equivalent Sentences
- Rhetoric
- Vocabulary
- Error Recognition

PART II

The second component will require students to compose a 350-word essay based on given prompts. Students will write ONE essay based on a single, selected prompt. The essay will be scored using the following criteria:

- Purpose and Focus
- Organization and Structure
- Development and Support
- Sentence Variety and Style
- Grammar, Mechanical Conventions and Spelling
- Critical Thinking

MATH PLACEMENT EXAM (9:45 am – 10:45 am)

The exam will consist of 40 multiple choice questions to be answered in 60 minutes. A calculator will NOT be allowed for this exam. Below is a list of review topics to assist your preparation:

Unit 1 - Number Theory

- Real number system; classification of numbers
- Properties of real numbers
- Order of arithmetic operations and rules of sign
- Finding LCM and GCF of real numbers
- Operations with positive integers
- Fractions and decimals

Unit 2 - Directed Numbers

- Further operations with integers, fractions and decimals
- Complex fractions

Unit 3 - Algebra

- Introduction to terminology and notation
- Operations with algebraic expressions (addition and subtraction)
- Laws of exponents
- Multiplication and division of algebraic expressions

Unit 4 - Factoring

- Common monomials
- Special products

Unit 5 - Algebraic Fractions

- LCM and GCF of algebraic expressions
- Complex algebraic fractions
- Stating domain

Unit 6 - Graphing

- Ordered pairs
- Linear functions and their graphs
- Standard and slope intercept forms
- Equations and their solutions graphically

CHEMISTRY PLACEMENT EXAM (11:00 am – 12:00 noon)

The exam consists of 45 multiple choice questions to be answered in 60 minutes. In addition to pens/pencils and a photo ID, you will need a calculator. A copy of the Periodic Table will be provided to you.

Below is the list of review topics in preparation for the exam:

- Mole concept
- Formulae of ionic and covalent compounds
- Balancing chemical equations and types of chemical equations
- Redox Reactions
- Oxidation numbers
- Sub-atomic particles and isotopes
- States of matter and classification
- Periodic table
- Properties of metals and ionic compounds
- Solubility rules and activity series
- Physical and chemical properties and change
- Electronic configuration
- Acids and bases
- Rates of reaction

- Separation of mixtures
- Lab apparatus
- Electrochemistry
- Thermochemistry