



**ST. CLAIR
COLLEGE**

REGISTRAR'S OFFICE ADMISSION TESTING GUIDE

Has the Registrar's Office required you to write the Admission Test? This happens when:

- An applicant is a mature student (19 years of age or older) and does not have an OSSD or equivalent.
- An applicant has an OSSD, but does not meet the English and/or math requirements for a post-secondary program.
- An applicant has not submitted to the Registrar's Office all documentation related to their formal education.

For further information on St. Clair College's admission policy go to www.stclaircollege.ca/prospstudents

You should know that:

- The Admission Test may be WRITTEN ONLY ONCE during the current application period for each semester.
- If for any reason you are unable to write on your scheduled test date, you must call to reschedule.

To schedule (or reschedule) your test, call Marilyn Vieceli at 519-972-2727, ext. 5511:

- Testing begins promptly at 9:30 A.M. Photo ID and the Testing Letter sent by the Registrar's Office are required.
- Late arrivals will be required to book another appointment.
- Once you begin the test, you will not be allowed to leave the test room.
- Ask questions if you are unclear about anything.

Before and after the test:

- Applicants with physical, learning, emotional, or medical disabilities that could affect test taking should contact the Learning Commons to discuss their needs with a counsellor.
- Examples of test questions are provided in this booklet. For more assistance, ask for the math review DVD.
- Test results are usually available two days after completion of the test.

To discuss your disability; receive a copy of the math DVD, or to find out your test results, call 519-972-2727, ext. 4226.

GOOD LUCK!

THE ENGLISH TEST

Prospective students who do not have the English requirement for their program(s) of choice will be required to write both a **Reading Test** and a **Language Test**. All programs require the same reading and language tests. You will **not** be allowed any test aid, including a dictionary. **These tests are multiple-choice, timed and the answers are put on an answer sheet.**

Test 1 – READING TEST

- Consists of 40 questions on Comprehension and Vocabulary (Word meanings, Synonyms, Antonyms, etc.).
- You will have 40 minutes to complete the test.

Test 2 – LANGUAGE TEST

- Consists of 26 questions on Sentence Patterns (Verbs, Pronouns, Conjunctions, Punctuations, etc.).
- You will have 30 minutes to complete the test.

THE MATH TEST

Prospective students who do not have the math requirement for their program(s) of choice will be required to write **1 (one)** math test. **These tests are multiple-choice, timed and the answers are put on an answer sheet.** If your program of choice is not listed below, you will **NOT** be required to write a math test. **If you have applied to the Woodworking program, you will be required to write a math test specific to the program.**

THE FOLLOWING PROGRAMS REQUIRE THE LEVEL 20 MATHEMATICS TEST.

Architectural Technology	Mechanical Engineering Technology –
Chemical Laboratory Technology	Mechatronics
Civil Engineering Technology	Mechanical Technician – CAD/CAM
Computer Systems Technician – Networking	Medical Laboratory Technician
Computer Systems Technology – Networking	Medical Laboratory Science
Construction Engineering Technician – Civil	Motive Power Technician
Electronics Engineering Technology – Industrial	Paramedic
Automation	Pharmacy Technician
Entertainment Technology	Power Engineering Technology-Mechanical
Heating, Refrigeration & Air Conditioning Technician	Practical Nursing
Mechanical Engineering Technician – Industrial	Veterinary Technician
Mechanical Engineering Technology –	
Automotive Product Design	

MATHEMATICS TEST – LEVEL 20 (CALCULATOR PROVIDED)

- Consists of 30 questions. Includes simple word problems; algebraic simplification; range, median & averages; simple graphing; solving 2 equations with 2 unknowns; geometry involving rectangles & triangles; basic trigonometry; simple probability, etc.
- You will have 40 minutes to complete the test.

THE FOLLOWING PROGRAMS REQUIRE THE COMPUTATION & NUMBER CONCEPTS MATHEMATICS TEST.

Advertising

Animation-Tradigital

Business-all options

Business Administration – all options

Child & Youth Worker

Culinary Skills-Chef

Electrical Techniques

Graphic Design

International Business

Law Clerk

Music Theatre Performance

Office Administration – all options

Welding Techniques

COMPUTATION AND NUMBER CONCEPTS (NO CALCULATOR ALLOWED)

- Consists of 26 questions. Includes signed numbers; fractions; percent, exponents; scientific notation, etc.
- You will have 25 minutes to complete the test.

SAMPLE READING TEST QUESTIONS

(Please Note: Answers on page 10)

A Lily In The Kitchen

Long ago in Egypt, workmen stopped work on the Great Pyramid of Cheops when they did not get enough garlic to eat.

The food the Egyptians liked so much belongs to the lily family. It is a bulb made up of small cloves. The cloves are shaped like narrow spoons. They may be white, green or pale purple. Their thin skins give no hint of the strength inside. Garlic is not as mild as its cousins, the onion and the leek. It has one of the strongest flavors known to man.

From early times man has used garlic. The Bible speaks of it. The Israelites were once far from home. They cried out to Moses, their leader, for the foods they loved: leeks, onions, and garlic.

The Romans, like the Israelites, loved to eat garlic. And they hung pouches of garlic around their necks. They hoped it would ward off the evil eye. They also thought it would keep them from getting sick.

A similar idea is still held. Many people take garlic thinking it will prevent or cure disease. Most doctors say it does no such thing. They say it may help in one way, though. Its smell may force people to stay far apart. At least then they can't pass germs on to each other.

But keeping your distance can be hard at times. What if you're in a play, for instance? Actors have been known to forget their lines because they couldn't stand the garlic fumes on a fellow actor's breath. Some have even made up new lines and actions that kept them far away from the offender.

Through the years man has tried to cope with the smell of garlic. But no herb, mouthwash, chewing gum, or toothpaste seems to help much. We now know why. It's been found that the oils of the garlic do not cling to the teeth, tongue, or gums. They go into the lungs instead. From there they are breathed out. They pass out through the pores of the skin, too.

Strange as it seems, food may have a great deal of garlic in it without smelling or tasting strong. It all depends on how it is cooked.

French cooks make good soup with whole cloves of garlic. They use more than thirty cloves in one kettle of soup. But they take care not to crush or bruise them. And they cook them whole. As a result, the strong oils stay in the cloves. And as the cloves cook they change in some strange way. The soup turns out to be delicious. It's not strong at all.

Garlic is being used in more and more foods. It can now be bought in dried form. This makes it easier to use. But most good cooks still say fresh garlic is better than dried.

There is dried garlic in many of the prepared foods we buy. Soups, pickles, salad dressings, and meats all have a great deal of garlic in them. Most of these foods don't taste like garlic. But if the garlic were left out, they would lose much of their flavor. Dried garlic is even used in dog foods. Dogs seem to like garlic. At least, like most people, they appreciate what it does for the foods they eat.

1. Garlic belongs to the same family as the
 - A) onion.
 - B) lily.
 - C) both A and B.
2. The story says that both the Romans and the Israelites
 - A) Liked to eat garlic.
 - B) Thought garlic would keep them well.
 - C) Both A and B

3. The writer probably thinks actors shouldn't
 - A) Care if they pass germs on to others.
 - B) Eat garlic before taking part in a play.
 - C) Talk about garlic with their friends.

4. Mouthwashes don't take away the smell of garlic because they don't
 - A) Get down into a person's lungs.
 - B) Cling to the teeth and tongue.
 - C) Taste as strong as garlic does.

5. Food with a strong taste of garlic has probably been made with
 - A) Whole cloves of garlic.
 - B) Fresh, crushed garlic.
 - C) Garlic salt.

6. Dried garlic is
 - A) Hard to find.
 - B) Quick to spoil.
 - C) Easy to use.

7. The best thing about garlic is that it
 - A) Wards off the evil eye.
 - B) Can be used in place of onions.
 - C) Makes other foods taste better.

Neat And Clean

Birds spend so much time smoothing, cleaning and arranging their feathers that it's not surprising this behavior, called preening, is associated with pride and vanity. But stop a minute and think about what feathers do for a bird. Besides allowing it to fly, feathers keep the bird warm in the winter and cool in the summer, they shed water in the rain, and they are used to communicate with other birds of the same species. A bird with dirty or ruffled feathers will not live long.

Birds use their beaks to clean and straighten their feathers and to spread oil over them. They get the oil from special glands in their skin. The oil helps keep the feathers waterproof and flexible.

Birds also like to take baths to keep clean, and they don't always take them in water. Chickens, for instance, like nothing better than to scratch up some dust with their feet and then lie down and flap the dust all over their bodies. This probably helps get ride of parasites on their skin. A quick shake then sends the dust flying from their feathers, leaving them clean and comfortable.

8. Which sentence gives the main idea?
 - A) Preening is very important to birds.
 - B) Birds use their beaks to clean their feathers.
 - C) The habits of birds are interesting.

9. The word parasites in the 3rd paragraph means
- A) a type of fruit fly that lives on birds.
 - B) an organism that lives and feeds on another organism.
 - C) a type of skin rash.
10. Chickens, like nothing better than to
- A) flop in a puddle to clean themselves.
 - B) flop the dust all over their bodies.
 - C) flop in the grass.
11. Which of the following is **NOT** one of the aspects of preening?
- A) smoothing
 - B) plucking out
 - C) arranging
12. The purpose of this passage is
- A) to express an opinion.
 - B) to describe an adventure.
 - C) to provide information.

SAMPLE LANGUAGE TEST QUESTIONS

1. Choose the sentence that is complete and is written correctly.
- A) March 2, 2002 the St. Clair College hockey team won the trophy.
 - B) One hot night in the summer, Bill swum across the Detroit River.
 - C) Sam and Jerry opens up a new restaurant on Ouellette Avenue.
 - D) They had took their car into the garage to get fixed.
2. Choose the words or word that correctly completes the sentence.
- It's going to rain, _____ I'll take my umbrella.
- A) and
 - B) but
 - C) so
 - D) therefore
3. Choose the word(s) that correctly completes the sentence.
- _____ got to present the trophy.
- A) I and Bob
 - B) Bob and me
 - C) Bob and them
 - D) Bob and I

4. Choose the sentence that is written with correct capitalization and punctuation.

- A) We're happy about our teacher's evaluation procedures, which are rational, consistent and fully explained.
- B) We're happy about our Teacher's evaluation procedures which are: rational, consistent and fully explained.
- C) We're happy about our Teacher's evaluation procedures which are; rational, consistent and fully explained.
- D) We're happy about our Teacher's Evaluation Procedures which are rational, consistent and fully explained.

5. Read the following paragraph and then answer the question.

People who get married while they're in college may have an especially hard time completing their studies.(1) If both spouses are in school they may not have enough money for an apartment, and they may have to live with their parents for a while.(2) Students who are single do not understand this.(3)

Which of the following sentences does **NOT** belong?

- A) sentence 1
- B) sentence 2
- C) sentence 3

6. Read the following paragraph and then answer the question.

We had a good time yesterday.(1) We went to the Detroit Zoo.(2) The children enjoyed themselves very much.(3) Afterwards we went to a pizza place.(4) We saw polar bears and elephants.(5)

Which of the following sentences does **NOT** belong?

- A) sentence 1
- B) sentence 2
- C) sentence 3
- D) sentence 4
- E) sentence 5

7. Read the following paragraph and then answer the question.

I have many hobbies.(1) Usually, I don't have time to watch TV, but last night I watched the news while I was eating dinner.(2) I heard the news about a political situation in my country.(3)

Which of the following sentences does **NOT** belong?

- A) sentence 1
- B) sentence 2
- C) sentence 3

SAMPLE MATHEMATICS – LEVEL 20 TEST QUESTIONS

(Please Note: Answers on page 10)

1. Simplify $\frac{8x}{2} + \frac{7}{y}$.
2. Write the equation for a parabola on the xy - plane with a vertex (4, -6) opening downward.
3. $f(x) = \frac{3x - 6}{4 + x^2}$. What is $f(3/2)$?
4. What figure does the equation $x^2 + y^2 = 25$ represent?
5. In the system: $6m + 5n = -3$, $5m - 4n = 22$. What is the value of m and n?
6. The area of a rectangle is 80 cm^2 . If the area is decreased by 20% and the width is 12 cm, what is the length?
7. The first 10 days of January had an average of 3.2 cm of snow per day. The remainder of the month had an average of 3.8 cm of snow per day. What was the average amount of snow per day for the entire month?
8. Triangle ABC has $AB = 12$, $\angle B = 42^\circ$ and $\angle C = 90^\circ$. What is the length of side AC?
9. Simplify $(2m - n)^2 - (m + n)^2$.
10. With only 2 dice, what is the probability of rolling a sum of 12?
11. The graph of $y = mx + b$ has a slope of $-\frac{1}{3}$ and passes through the point (2, 3) and (x, 4). What is the value of x?
12. $y = \frac{2x}{5} + m$. Solve for x.

SAMPLE COMPUTATION AND NUMBER CONCEPTS TEST QUESTIONS

1. $(5)(-2) =$

2. $(-3)(-4) =$

3. $-(-4) + (-2) =$

4. $(-5)(-3)(2) =$

5. $\frac{2}{7} + \frac{1}{4} =$

6. $\frac{1}{3} \times \frac{1}{2} =$

7. $\frac{2}{3} - \frac{1}{2} =$

8. $\frac{3}{2} \div \frac{1}{4} =$

9. $\frac{5}{6} \div \frac{15}{22} =$

10. $\frac{4}{25}$ is equivalent to what %?

11. $\frac{4}{15}$ is equivalent to what %?

12. 9 is what % of 60?

13. 15% of 80 is what?

14. $9^2 - 4^2 =$

15. $\sqrt{36} + \sqrt{25} =$

16. $5^{-2} + 5^{-1} =$

17. Change to scientific notation 9145.

18. Change to scientific notation .00072.

19. Change to scientific notation $(3 \times 10^4)^2$.

ANSWERS

Reading

1. C
2. C
3. C
4. A
5. B
6. C
7. C
8. A
9. B
10. B
11. B
12. C

Language

1. A
2. C
3. D
4. A
5. C
6. D
7. A

Mathematics - Level 20

1. $\frac{4xy + 7}{y}$
2. $y = -(x - 4)^2 - 6$
3. $-\frac{6}{25}$
4. a circle
5. $m = 2, n = -3$
6. 5.3
7. 3.6 cm/day
8. $BC = 9, AC = 8$
9. $3m(m - 2n)$
10. $\frac{1}{36}$
11. -1
12. $x = \frac{5(y - m)}{2}$

Computation & Number Concepts

1. -10
2. 12
3. 2
4. 30
5. $\frac{15}{28}$
6. $\frac{1}{6}$
7. $\frac{1}{6}$
8. 6
9. $1\frac{2}{9}$
10. 16%
11. 26.67%
12. 15%
13. 12
14. 65
15. 11
16. $\frac{6}{25}$
17. 9.145×10^3
18. 7.2×10^{-4}
19. 9×10^8