



College of
Chiropractors
of Ontario

Registration Examination

Information Booklet

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1.0 Registration Examination Details

Candidates will be required by the College to sit a two part examination. A pass standing is required in the two parts by the College of Chiropractors to fulfill the registration requirements and become a member of the College.

1.1 Part A: Written

The examination is composed of 200 multiple choice and matching questions. The questions will all be linked and based on the Profile of Competencies document of the College of Chiropractors of Ontario dated January 2002 and updated in 2010.

The examination will be weighted as follows (note references to categories in Profile of Competencies document):

- | | |
|--|-----|
| • Jurisprudence (“Professional Ethics”(Categories 1,4,5) | 15% |
| • Assessment (Category 2) | 30% |
| • Implementation of Treatment (Category 3) | 30% |
| • Pharmacotherapy (Category 7) | 20% |
| • Disease Prevention & Health Promotion (Category 6) | 5% |

All candidates are required to complete Part A of the examination. **Each candidate must pass the jurisprudence component of Part A of the examination in order to register with the College.** The pass score for the written component of the College’s registration examination will be set using the Angoff method. It is considered to be the industry standard for determining pass scores for examinations such as the College’s Registration Examination. The passing grade of a test cannot be decided arbitrarily; it must be justified with empirical data. The Angoff method relies on subject-matter experts (SMEs) who examine the content of each test question (item) and then estimate how many minimally-qualified border-line candidates would answer the item correctly. The average of these judges’ endorsements for a test item becomes the item’s *Angoff value*. The sum of the Angoff values for the items in the examination is the recommended Angoff cut score. The College will therefore use a panel of content experts to review each item in the exam and render judgment on minimal performance. The Angoff method ensure fairness to all candidates who maybe writing different versions of the test.

It is IMPORTANT to note that EACH question will be based on ONE competency from within the competency document. Therefore, it is vital that each candidate be completely understanding of ALL competencies within the Profile of Competencies document. This document is the SINGLE MOST IMPORTANT DOCUMENT to use in the preparation of the registration exam.

1.2 Part B: Objective Structured Clinical Evaluation (O.S.C.E.)

This evaluation will test clinical competencies, and will be composed of a number of stations at which the candidate will have a specified time to complete a task and/or answer questions.

For example:

- The candidate may be asked to take a patient’s history and at the next station answer a series of related questions.

- The candidate may be asked to evaluate a cast and at the next station answer a series of related questions.
- At the same station the candidate may be asked to evaluate and answer questions related to a radiograph.

2.0 Examination Rules

2.1 Written Examination

1. The examinations will be administered only on the day and at the times scheduled.
2. No person shall be allowed in an examination room during an examination except for the candidate and those invigilating the examination.
3. **The invigilator will check photo ID of each candidate. Candidates who are unable to present such identification will not be permitted to take the examination.**
4. The invigilator has the authority to assign seats to the candidates.
5. Candidates must be seated in the examination room 5 minutes before the start of the examination.
6. The examination will start promptly and finish at the times scheduled.
7. Permission to enter the examination room after the start of the examination shall be at the discretion of the invigilator within the first 30 minutes of the commencement of the examination. Candidates will not be permitted to enter the examination room later than 30 minutes after the examination has begun.
8. Bags and books are to be deposited in areas designated by the invigilator, and under no circumstances are to be taken to the examination desk.
9. No other unauthorized material shall be taken to the examination desk.
10. Candidates who bring any unauthorized materials into an examination room, or who assist or obtain assistance from other candidates or from any unauthorized source, will not be permitted to continue writing the examination.
11. Cell phones must be turned off and may not remain on the candidate's person during the examination.
12. Computers are not allowed in the examination room unless special permission has been granted by the College of Chiropractors.
13. Candidates will require HB lead pencils for the examination. Pencils will be provided on the day of the examination and candidates do not need to bring their own pencils.
14. No questions concerning the content of the examination may be asked during the examination.
15. Candidates shall not be permitted to leave and re-enter the examination room, except under supervision.
16. Candidates shall answer examination questions according to the instructions provided by the invigilators.
17. At the conclusion of the examination, all writing will cease and the invigilator may invalidate the papers of any candidate who fails to observe this requirement.
18. A candidate will be dismissed from the examination for any of the following reasons:
 - If admission to the exam is unauthorized
 - If a candidate commits any form of misdemeanor
 - If a candidate attempts to bring in or remove any text material
 - If an individual impersonates a candidate

2.2 Objective Structured Clinical Evaluation (O.S.C.E.)

1. The candidate will follow the directions of the examiners at all times.
2. No person shall be allowed in the examination area except the candidates, the examiners and any patients, actors or staff that are required for the running of the examination.
3. During the examination, the candidate may interact with patients as directed but may not, under any circumstances, interact with other candidates during any period of the examination.
4. Due to the nature of the O.S.C.E., permission to enter the examination room after the start of the examination shall be denied.
5. Bags, books and other sources of information are to be deposited in areas designated by the examiners, and under no circumstances should be taken by the candidates to the stations of the examination.
6. The candidates will require an HB lead pencil for the multiple choice questions and a pen with which to answer the short answer questions. Pencils and pens will be provided on the day of the examination and candidates do not need to bring their own pencils and pens.
7. No questions concerning the content of the evaluation may be asked during the examination period.
8. Candidates shall not be permitted to leave the examination area except under supervision
9. A candidate may be dismissed from the examination for any of the following reasons:
 - If admission to the exam is unauthorized
 - If a candidate commits any form of misdemeanor
 - If a candidate attempts to remove any text material
 - If an individual impersonates a candidate.

3.0 Preparation for the Examinations

3.1 Competencies

The College of Chiropractors registration examination process is intended to evaluate your competency as it relates to clinical practice in Ontario. In this context, it is important that you review The Profile of Competencies dated January 2002 and updated 2010, knowledge of which is required of all members of the College of Chiropractors of Ontario. The document is included in this mailing.

3.2 Subject Areas

The registration examinations relate to the provision of comprehensive chiropractic care of the patient. In preparation for this, candidates should review relevant information related to the following subject areas:

- Anatomy
- Physiology
- Microbiology
- Immunology
- Radiology
- Pharmacotherapy
- Pathophysiology
- Biomechanics
- Physical Therapy
- Emergency Care
- Jurisprudence
- Disease Prevention
- Sports Medicine
- Paediatrics
- Anaesthesia
- Surgery
- Diabetology
- Rheumatology
- Vascular Disease
- Neurological Disease
- Pathomechanics
- Dermatology

It is important to note that the previously mentioned competencies/subject areas may be examined during more than one of the components of the examination.

3.3 Recommended Texts/Reference Material

College of Chiropractors of Ontario Reference Material

All references to the College of Chiropractors of Ontario are found at the website www.cocoo.on.ca. Particularly for the Jurisprudence (or “ethics”) portion of the examination, the candidate must be familiar with all of the College’s ACTS, REGULATIONS, BYLAWS, STANDARDS OF PRACTICE, GUIDELINES AND POLICIES.

Other References

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4.0 Sample Questions

4.1 Written Examinations

4.1.1 Multiple Choice Questions

1. Which of the following muscles should be strengthened when treating chondromalacia patellae?
 - a. Rectus femoris
 - b. Gastrocnemius
 - c. Vastus medialis
 - d. Sartorius

2. Match the following antibiotic drugs to their mechanisms of action.
 1. Sulfamethoxazole/trimethoprim
 2. Ciprofloxacin
 3. Clindamycin
 4. Amoxicillin
 - a. Suppresses protein synthesis in the bacterial ribosome
 - b. Interferes with the enzyme DNA gyrase
 - c. Inhibits bacterial cell wall synthesis
 - d. Inhibits bacterial synthesis of folic acid

4.2 Objective Structured Clinical Evaluation

4.2.1 Station 1A

Interview the “patient” in front of you and obtain a patient history. Do not perform any physical examination and do not remove your patient’s shoes/socks. You may make notes for your reference at station 1B, and no marks/grade will be assigned to your notes.

4.2.2 Station 1B

Based on the patient history obtained at station 1A, answer the following questions on your answer card.

1. The patient currently takes the following medications:
 - a. ciprofloxacin 250 mg q 12 h.
 - b. clindamycin 150 mg tid.
 - c. cephalexin 250 mg qid.
 - d. amoxicillin 500 mg tid.

2. The patient’s chief complaint is:
 - a. ingrown toe nail
 - b. heel spur
 - c. fallen arches
 - d. turf toe

We wish you success in the examination and look forward to your registration with the College.