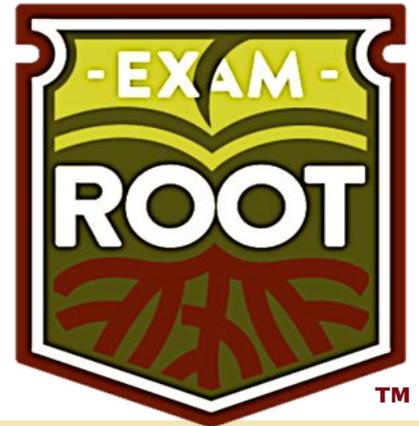


ExamRoot™

Alberta practice diploma exams – like the real thing.



✓ **Comprehensive, multiple choice & numeric response diploma practice exams made by Alberta teachers – providing students with full rehearsals in preparation for their diploma performances.**

‘All of the Above’: 11 Reasons that ExamRoot is the Right Selection for Your School or District.

1. We’ve built what Alberta students, parents, teachers & administrators have asked for.

ExamRoot sprang from ongoing calls from students, parents and teachers for comprehensive, diploma practice exams - fashioned like the multiple choice & numeric response questions experienced in actual diploma sittings. Teachers have a limited supply of these questions on hand and more than often, need to use their best items for in class assessments, rather than for practice. We’re energized by the consistent compliments paid by teachers regarding ExamRoot’s developments to date. It’s encouraging to hear from diploma subject teachers that we’ve created a comprehensive resource that educators feel confident in referring colleagues, parents - and especially students – to. This resource liberates time for teachers to teach, conduct reviews, mentor, and focus on other evaluations and practices; moreover, end-of-semester needs. ExamRoot school licenses run off a custom website for each school, requiring little to no administration. Once a school is set-up, students sign-up and can start using the resource immediately. ExamRoot is ready to pick!

2. Each ExamRoot question is referenced to a specific curricular outcome.

Each question and rationale is authentically built and checked by Alberta teachers who understand the importance of blueprinting items, as well as constructing

questions to mirror the content weightings and levels of challenge across an entire exam. We anchor & create items in accordance with best practices, helping teachers and students reference achievement in specific, curricular areas.

3. Each question includes a set of explanatory rationales.

Our exams serve as supplementary study guides. Each question includes post exam rationales that students review as they please, whenever they wish to do so. Rationales explain why the best answer selection fits with each specific question. Students can log back in and repeatedly review the exact exam previously taken, as they study for their diploma exams. Some subject rationales even have ‘common student mistakes’ and explain why other answer selections are not the best selection. We are aiming to make this the norm amongst *each and every one of* our thousands of questions. There’s no guessing as to why ExamRoot is an unmatched, diploma preparatory resource.

4. Our exams are run and hosted on industry leading, testing software.

We are proud to work with Alberta founded and headquartered, Yardstick Software. Serving hundreds of client organizations, including secondary and post secondary institutions, their web-based software is second to none. Yardstick software is leading edge and constantly being refined. This web-based program is tried and true, and exceptionally robust. Yardstick services meet the most rigorous industry and organizational standards.

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With diplomas counting for 50% of a final course mark, ExamRoot recognizes the need for accessible, affordable, sound & secure, diploma practice exam resources.

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Confidence is assured: ExamRoot is operating on a secure and tested technology foundation. What is more, Yardstick recognizes the specific needs in setting up each ExamRoot school website, and in adapting software for the learning requirements of Alberta students taking high stakes, diploma exams.

5. Diploma exams continue to be part of high school completion requirements.

At ExamRoot, we're excited to see the curricular redesign process unfolding. We recognize that there is much more to the school experience and education system than testing and diploma exams. We also understand that diploma exams will continue in their existing form for some time to come, and that these types of assessments are reflected in results and averages required for post-secondary admissions. Equally important, multiple choice and numeric response exams remain fixtures in post-secondary programs and industry evaluations. We endeavor to support teachers, parents and students, by providing practice material aimed at reflecting provincial standards. By creating exam items and rationales through an ongoing best practices process, we know that we are successful in freeing up time for teachers to focus on the day to day interactions, lessons, mentoring, coaching and relationships that make the school experience so relevant for building a competent and responsible society.

6. ExamRoot focuses on the quality of our questions, over the quantity of questions – every time. But... our question and rationale database continues to grow!

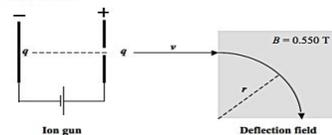
You have high standards and so do we. From the start, ExamRoot has made very deliberate and principled decisions to not just accept content resembling a multiple-choice question, even if it "quacks" like a diploma item. We recognized the futility in having a large quantity of items that aren't very helpful, or are not arranged like actual diploma assessments are structured. We offer multiple versions of exams across the range of diploma subjects, and are constantly working on additional questions and rationales, which we configure into exams after undergoing a quality control process. We took our time in growing ExamRoot with care. We'll continue to sprout in the quality "topsoil" that we cultivate and nourish with high standards and refinement.

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Integrity in the Process

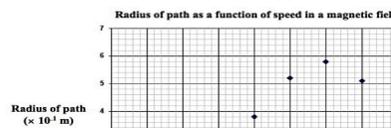
- ExamRoot follows an efficient and effective process of collaborating with subject matter, expert teachers, having a strong acumen and drive to create pedagogically sound, best practice items.
- Our questions are blueprinted to subject related Alberta curricula, in accordance with the diploma reports outlining unit / content weightings, as well as questions reflecting a range of cognitive and difficulty levels.
- Each context "source" (e.g. graph, scenario, diagram, photo) is either authentically created by ExamRoot and its contractors, copyright compliant under purchased license, or permitted for use as public domain content.
- Question items, answer selections and explanatory rationales are all custom created. We treat our teacher contributors like the professionals that they are. Our item creators genuinely enjoy the challenge of the item creation process and are adept at creating multiple choice and numeric response questions. Their work clearly reflects dedication and skill.
- After items are completed, they are reviewed by subject matter experts on an ongoing basis, to be adapted, modified, refined and polished to meet the highest of standards.
- Likewise, we integrate feedback from students and teachers, and will be further evaluating the validity and reliability of our items with ongoing use that leads to larger sample sets of data. This information will be used to make even better items and exams!

In a physics lab experiment, unknown negatively charged particles are accelerated through a potential difference until they achieve a speed v . These particles then enter a perpendicular 0.550 T magnetic field, where they undergo uniform circular motion with a radius r .



In this experiment, the exit speed of the particles is manipulated (using the potential difference across the parallel plates) and the resulting radius of the circular path in the external magnetic field is measured. All other variables are held constant.

The results of the experiment are summarized in the graph below:



It's All About the "Results"...

Students, teachers, parents and administrators – we all know the story. The exams are complete but we anxiously wait for results to arrive. We long to know if months of preparation... *years* of preparation - have resulted in the attitude, knowledge, skills and confidence to perform aptly on these exams. What does it take to get an extra percent? Five percent? Ten? Twenty? Certainly, achievement is an involved process that a practice exam won't address by its own virtue. Nonetheless, **ExamRoot diploma practice exams lessen the load**, allowing more time for teachers to focus on coaching, mentoring, teaching, and providing feedback. We offer a helpful study resource at a demanding time of year. ExamRoot gives that student a chance to **experience a full-scale practice**, akin to what will be encountered in her or his diploma sitting.

ExamRoot is a confidence booster and study tool for any student aspiring to attain admission into a post secondary program, secure a scholarship, meet high school graduation requirements, and foundationally, achieve to a level that reflects the determination exemplified in their studying and striving. All this supports more knowledgeable, confident, competent individuals transitioning into adult life.

ExamRoot exists to contribute to educational systems & school communities striving to help students develop to their full potential. ExamRoot, as part of this process, commits to excellence in supporting everyone caring about and contributing to student achievement and capacity growth.

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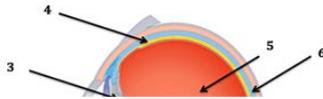
QUESTION
1 of 19
Questions
Notes

Directions: Examine the case study and diagram below, and answer the question that follows.

Case Study: *Toxoplasma Gondii* – A Potential Affect on Humans

Since humans like to keep felines as pets, humans are often infected with *Toxoplasma gondii* and can develop toxoplasmosis, a disease caused by the multiplication of *T. gondii* in certain organs. One such organ commonly infected is the human eye resulting in a condition known as *chorioretinitis*. Symptoms of *chorioretinitis* can include: spots / specks in the vision of the human, redness and irritation, light sensitivity, blurry vision, watery eyes / tearing.

Diagram of the Human Eye



First Rate Software

At the outset of founding ExamRoot, teacher authors and professionals consulted, recognized that a software platform to run practice exams had to be much more dynamic, expansive, supported and adaptable than what was available and being offered at the time. Through diligent and meticulous vetting, ExamRoot chose Alberta based, Yardstick Software to deliver secure, reliable, adaptable and principled practice exams to Alberta students. This choice was an easy decision to make.

Yardstick software is trusted by hundreds of organizations - educational bodies, not for profit organizations and a wide range of industry sectors - to deliver in supporting stakeholder needs. Their multiple online testing and training platforms are continuously being improved to surpass expectations and ensure outcomes are met.

Technology is not the answer, but Yardstick software plays an integral part of promising exam delivery solutions.



7. The ExamRoot user experience is intuitive and fluid.

Whether a student, teacher, parent or administrator, ExamRoot, school license sites have been set up with simplicity and a specific purpose in mind – to assist students in learning and preparing for high stakes, diploma exams. The software and program design is intuitive, and *includes video and PDF guides for both the student and teacher user*. We use technology to compliment and amplify the effectiveness of our study resources, not to create an unneeded barrier. On rare occasions when there is a glitch or uncertainty, we respond to support requests quickly and with helpful advice.

8. We source our content locally, and respond to comments, questions and feedback.

ExamRoot was founded and is operated by an Alberta high school teacher who wanted to create a resource helpful to teachers and students in preparing for diploma requirements. Questions are original, custom creations by dedicated teachers. We like to boast that we are toughest on ourselves. Our constant improvement for supporting student achievement is an immovable pillar of ExamRoot. Any feedback, inquiries or comments, regarding exam questions, answer rationales or the software - is enthusiastically welcomed. In many cases, changes may be implemented within a day or two, or even in a matter of hours!

9. The possibilities are endless!

We've been asked by teachers and administrators to develop additional services and features that can prove helpful in other aspects of day-to-day instruction. Let's just say that "we're on it" and excited to share more of what's in progress in the months and years to come!

10. We provide exceptional value.

We're grounded in the intention that we want to help teachers and students prepare for, and achieve, the diploma grade each student aspires to and has developed the capacity to reach. ExamRoot enables students to take multiple versions of exams and review their individual exam algorithm, as many times as they wish, in the days and weeks of preparation before the actual exam. What is more, any school credits not used in a calendar year can be used in subsequent years. Schools order more credits, as each school requires. Likewise, as we continually refine items and rationales, and add new questions and exams, there is no surcharge. You benefit from our ongoing drive to expand and improve content offerings!

11. We tap into a source of student confidence.

Test anxiety and student confidence are major issues related to student achievement and well-being. As a teacher, the founder of ExamRoot was troubled that students often had limited access to practice exams (and very few, if any, with rationales) that approached the diploma standard in terms of structure and quality. Students can become familiar with and gain confidence regarding diploma exam formats through ExamRoot "rehearsals". We liken this studying process to a practice scrimmage before a championship game or a practice recital before a major concert.

“For the things we have to learn before we can do them, we learn by doing them.”
~Aristotle.

We are currently configuring ExamRoot sites for those schools and districts planning in advance and taking advantage of this fall time phase - before the December and January diploma preparation and writing period commences. **Secure your school license and / or schedule us in for an in-school demonstration today!** Diploma studying and preparations will be amongst us before we all can say 'snow tires'!!!

- Set up your custom-look, school specific, ExamRoot site today with licenses for **as low as \$3.99+ GST, - per individual student exam!**
 - Each student's exam algorithm is saved. Students can review every exam they take, including a review of thorough rationales, as many times as they wish, leading up to and including the day that the given diploma exam is written!
 - **Contact us regarding current autumn incentives and promotions!**
- See ExamRoot school sites in action! **We'll come to you** and provide a demonstration to coincide with your busy schedule. We'll provide a walk-through of our comprehensive content, as well as showcase the easy, "use anywhere", web-based software.
- Stay updated. Subscribe to our email updates and newsletter by [clicking here](#).

School License "Template" Site: www.ExamRootHigh.progtraining.com

Email: schools@examroot.ca

Phone: 587-773-3273 Toll Free: 1-855-468-2818

ExamRoot grows diploma practice exams to support the educational roots you've nourished and been vital in establishing.

We resolutely support student achievement and learning, and the dynamic and determined teachers of Alberta, through our mindful commitment to quality and by striving for the highest of exam standards.



- ExamRoot and our test-hosting provider, Yardstick Software, are proud to be Alberta founded and headquartered operations.
- We look forward to you contacting ExamRoot this fall to set up an in-school demonstration / consultation, to answer any questions that you have, and to allow time to set up your school or district site in time to be used as a study and review tool for January diplomas!

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