

The National Dental Examining Board of Canada  
Le Bureau National d'Examen Dentaire du Canada

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**WRITTEN EXAMINATION**

**2012**

**P R O T O C O L**

The National Dental Examining Board of Canada  
Le Bureau National d'Examen Dentaire du Canada

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**WRITTEN EXAMINATION****2012****I CONTENT AND FORMAT**

The Written Examination consists of two books, each with 150 multiple choice type questions. Each book is given in a 150 minute examination session. The sessions are held in the morning and afternoon of one day.

The Examination Blueprint outlined below gives the content areas and approximate number of questions in each area.

<b>Book 1</b>		<b>Book 2</b>	
Health Promotion/Population Health		Fixed Partial Denture/Removable Partial Denture	
Relationship of General/Oral Health		Dental Emergencies	
Scientific Literature		Medical Emergencies	
Records	50	Ethics & Jurisprudence	50
Oral Medicine/Oral Pathology		Trauma	
General Biochemistry/Cariology		Pediatric Dentistry	
Oral Microanatomy		Implants	
Oral Embryology			
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Anxious Patient		Operative Dentistry	
Abuse & Neglect		Endodontics	50
Occupational Hazards	50	Orthodontics	
Periodontics		Dental Anatomy/Occlusion	
Pharmacology		Special Needs Patient	
Growth & Development			
Physiology			
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Radiology		Infection Control	
Informed Consent	50	Local Anesthesia	50
Prevention		Therapeutics	
Anatomy		Oral Facial Pain	
Microbiology/Immunology		Oral Surgery	
Pathology/Medicine		Geriatric Dentistry	
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<b>Total Number of Questions</b>	<b>150</b>	<b>Total Number of Questions</b>	<b>150</b>

The list of competencies from which examination items are developed is available at <http://www.ndeb.ca/accredited/competencies>

II **SCHEDULE**

Validation of Registration	8:30am
Book I	9:00am to 11:30am
Book II	1:00pm to 3:30pm

III **VALIDATION OF REGISTRATION**

During the validation of registration candidates will be issued an Identification (ID) card. To receive the ID card, candidates will be required to show current government photo identification, (i.e. a current passport or driver's licence), for comparison to the ID card. Candidates who do not provide government photo identification will not be admitted.

Candidates must have the ID card visible at all times and must return the card to the Test Administrator at the end of the examination. Removing any paper with copied test items or notes from the examination location is prohibited and will be considered as compromising the integrity of the examination. The consequences of such actions are delineated in NDEB By-law 18.01. The NDEB will verify that all ID cards are returned. Candidates who fail to return their ID card may receive a zero "0" score for the examination.

#### IV INSTRUCTIONS

For each examination session, candidates will receive an examination book with their NAME, CANDIDATE IDENTIFICATION number, SEAT number and a book VERSION number. Below is an illustration of the examination book cover showing the location of the required identification information.

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### WRITTEN EXAMINATION

#### BOOK I

2012

(150 minutes)

VERSION: 3

*Book Version Number  
– enter on answer  
score sheet*

*NDEB ID Number –  
enter on answer score  
sheet*

**123456**  
SANCHEZ, TOMAS

**SEAT # 26**

*Seat Number – Do  
NOT enter on  
answer score sheet*

For each examination session, candidates will also receive an ANSWER SCORE SHEET. The illustration below is an example of how to correctly enter required identification information.

Noircir le cercle en entier: ● ○ ○ ○ ○      Blacken the entire circle: ● ○ ○ ○ ○

**Nom de famille/Last Name:**  
SANCHEZ

**Prénom/First Name:**  
TOMAS

**No d'identification/Id Number:**  
1 2 3 4 5 6

**Version:**  
3

**NDEB ID Number**

*Name*

*Book Version Number*

1. Enter your NAME, your assigned ID number and your book VERSION NUMBER in the indicated areas on the answer score sheet.
2. Each question in the book is followed by a choice of answers. Select the one most appropriate answer. Record your answer on the answer score sheet using a standard (wood) lead pencil (No. 2 or HB) only. No other writing devices (e.g. mechanical pencils, pens or felt-type markers) are allowed in the examination area. When entering an answer, make a heavy black mark that completely fills the appropriate circle.
3. If you change your answer, make sure that the original mark is thoroughly erased. Use a standard block eraser. Mechanical erasers are not allowed.
4. Make no stray marks on the answer score sheet.
5. Each question has a score of one (“1”). The lowest score for any question is zero (“0”).
6. You may write in the book to assist yourself in answering the questions. Your score, however, will depend upon the answers recorded on the answer score sheet. Please ensure the accuracy of transfer of answers onto the score sheet.
7. The transfer of answers to the computer score sheet **MUST** be completed within the session time. Additional time will not be allowed.
8. The book, answer score sheet and ID card must be returned at the end of the session. If all or part of any of these is not returned, a zero (“0”) score will be given.
9. The FDI two digit tooth numbering system (below) is used in all examinations.

**FDI / UNIVERSAL NUMBERING SYSTEM**

**PERMANENT DENTITION**

<b>FDI</b>	<b>1.8</b>	<b>1.7</b>	<b>1.6</b>	<b>1.5</b>	<b>1.4</b>	<b>1.3</b>	<b>1.2</b>	<b>1.1</b>	<b>2.1</b>	<b>2.2</b>	<b>2.3</b>	<b>2.4</b>	<b>2.5</b>	<b>2.6</b>	<b>2.7</b>	<b>2.8</b>	<b>FDI</b>	
Universa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Universa	
l	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	l	
<b>FDI</b>	<b>4.8</b>	<b>4.7</b>	<b>4.6</b>	<b>4.5</b>	<b>4.4</b>	<b>4.3</b>	<b>4.2</b>	<b>4.1</b>	<b>3.1</b>	<b>3.2</b>	<b>3.3</b>	<b>3.4</b>	<b>3.5</b>	<b>3.6</b>	<b>3.7</b>	<b>3.8</b>	<b>FDI</b>	
	<b>RIGHT</b>									<b>LEFT</b>								

**PRIMARY DENTITION**

<b>FDI</b>	<b>5.5</b>	<b>5.4</b>	<b>5.3</b>	<b>5.2</b>	<b>5.1</b>	<b>6.1</b>	<b>6.2</b>	<b>6.3</b>	<b>6.4</b>	<b>6.5</b>	<b>FDI</b>	
Universa	A	B	C	D	E	F	G	H	I	J	Universa	
l	T	S	R	Q	P	O	N	M	L	K	l	
<b>FDI</b>	<b>8.5</b>	<b>8.4</b>	<b>8.3</b>	<b>8.2</b>	<b>8.1</b>	<b>7.1</b>	<b>7.2</b>	<b>7.3</b>	<b>7.4</b>	<b>7.5</b>	<b>FDI</b>	
	<b>RIGHT</b>						<b>LEFT</b>					

V **SAMPLE QUESTIONS AND ANSWERS**

1. Which of the following participate in clot formation?

- A. Platelets.
- B. Monocytes.
- C. Lymphocytes.
- D. Leukocytes.

ANSWER:   B  C  D  E

2. A laboratory fabricated composite resin inlay compared to a direct composite resin restoration has increased

- A. colour stability.
- B. surface smoothness.
- C. control of polymerization shrinkage.
- D. bondability to tooth structure.

ANSWER:  A  B  C  D  E

Other sample questions can be found on the NDEB website  
[http://www.ndeb.ca/sites/default/files/2012ReleaseEng\\_0.pdf](http://www.ndeb.ca/sites/default/files/2012ReleaseEng_0.pdf)

VI **REFERENCE TEXTS**

A list of textbooks and references commonly used in DDS/DMD programs can be found on the NDEB web site <http://www.ndeb.ca/references>

## VII EXAMINATION REGULATIONS

1. Candidates must be punctual for all sessions of the examination. Candidates arriving late for a session may not be admitted.
2. Family or friends must not accompany a candidate as space at the examination centre is provided ONLY for candidates and staff.
3. Candidates must not bring devices with recording, transmitting or receiving abilities, radios, cameras, cell phones, pagers or other electronic aids/devices into the examination room.
4. Candidates may not use dictionaries, calculators or other informative material.
5. Food and/or drink (including water) are not allowed in the examination room unless special consideration for medical reasons has been granted by the NDEB office. The request must include a medical certificate signed by a physician indicating the diagnosis and accommodation measures required.
6. The ability of a candidate to read, interpret and comply with instructions and other written material is part of the examination. Test Administrators and invigilators will not answer questions involving examination content.
7. Once the examination is in progress, any candidate who leaves the examination room for any reason, including the use of washroom facilities, **WILL NOT** be allowed to re-enter unless special consideration for medical reasons has been granted by the NDEB office. The request must include a medical certificate signed by a physician indicating the diagnosis and accommodation measures required.
8. Candidates requiring special examination accommodation, including accommodation due to a diagnosed medical condition must request special consideration in writing to the NDEB office within two (2) weeks of receipt of confirmation of registration in the examination. The request must include original documentation indicating the accommodation measures required. Additional supporting documentation may be requested by the NDEB office.
9. Candidates are prohibited from copying or otherwise obtaining answers from other candidates; from providing answers to other candidates; and, from talking or otherwise disrupting the conduct of the examination. Candidates are responsible for ensuring that their answers are not visible to other candidates. Candidates must be aware that the NDEB uses a software program to identify suspicious answer similarities between pairs of candidates and may void the results of both candidates involved in suspicious occurrences identified by the software program.
10. Candidates must stop writing and hand in the book, ID card and answer score sheet at the indicated time. The transfer of answers from books to computer score sheets **MUST** be completed within the session time. Additional time will not be allowed.

11. Candidates are prohibited from removing test material including ID cards, books and answer score sheets from the room and from copying or making notes of any test item.
12. Candidates are reminded that all examination material is copyrighted. Any attempt to reproduce or assemble examination material is strictly prohibited and will be prosecuted.
13. Candidates who do not abide by the above Regulations will receive a zero (“0”) score for the examination.
14. Within three months of the release of the results of the examination, candidates may apply to have their answer score sheets manually checked against the answer key. Any such application for review must be accompanied by a filing fee. Upon verification, the score for the candidate will be that produced by the manual check.
15. A candidate who considers themselves disadvantaged by a personal circumstance beyond the candidate’s control, occurring either immediately before or during the examination may, within one week of this personal circumstance occurring, request that the NDEB make a special consideration to void the results of the examination. The NDEB may grant permission for the candidate to withdraw from the examination. The candidate may also request special consideration for a refund of up to 50% of the examination fee.

## VIII **PASSING STANDARD**

In order to assure a consistent level of difficulty, the NDEB uses test equating and re-scaling procedures to correlate candidate raw scores to scores on a reference examination and to a standardized passing score of 65. Candidates must obtain a minimum test equated, re-scaled score of 65 to be successful in the Written Examination. Candidates who attain a test equated, re-scaled score of 65 or greater will receive a result of Pass. Candidates who achieve a test equated, re-scaled score of less than 65 will receive a result of Fail. Candidates who receive a Fail result will also be given their test equated, re-scaled score.

Please note that the examination contains a number of questions that are being tested and that these questions may not contribute to any candidate’s result.

## IX **RESULTS**

The results of the Written Examination will be posted on a secure website that will be accessible using the secure code provided at the time of initial registration. Posting of results will normally be done within 6 weeks and an e-mail notification of the posting will be sent to candidates.

Results will not be released by telephone, fax or email.