



A Candidate's Guide to Licensing Examination 2020 of the Dental Council of Hong Kong

Under Section 8 of the Dentists Registration Ordinance, Cap. 156, any applicant for registration with the Dental Council of Hong Kong (“the Council”), except a holder of a bachelor degree in dental surgery awarded by the University of Hong Kong, is required to pass the Council’s Licensing Examination (“LE”) as a pre-requisite for registration. In this regard, the Council may prohibit any applicant from sitting LE if that applicant has sat any one part of LE 5 times and has failed each time.

All dental graduates who received their dental training outside Hong Kong are required to pass LE before they are qualified to be registered with the Council. The eligibility criteria for taking LE are that at the time of the application, an applicant –

- (i) has satisfactorily completed not less than 4 years full time dental training of a type approved by the Council; and
- (ii) is the holder of a dental degree or a dental qualification acceptable to the Council.

Applicants who could not fulfil the eligibility criteria must apply with reasons and supporting documents for the Council’s consideration.

The Council has issued the “Competences for the Hong Kong Dentists” which acts as a blueprint on standards requiring for LE of the Council. Copy of this document is available at the website of the Council (<https://www.dchk.org.hk>).

All applicants are required to read this Candidate’s Guide before submitting the application.

Details of LE are described below.

I. EXAMINATION FORMAT

The Examination comprises three separate parts.

Part I

- (1) This Written Test consists of 2 multiple-choice-question papers. Paper 1 and Parts A and B of Paper 2 will be taken in the morning session while Parts C to E of Paper 2 will be taken in the afternoon session. The questions are set in “single best answer” type format. Each question contains 5 choices of answer. Candidates are required to choose the best answer out of the choices given. The test will cover the following subjects –

(a)	<u>Paper 1</u>	<u>Subject</u>	<u>No. of questions</u>	<u>Time allowed</u>
	Part A	Applied Basic Sciences*	20	20 minutes
	Part B	Medicine and Surgery in relation to Dentistry	20	20 minutes
	Part C	Dental Pharmacology and Therapeutics, and Medical Emergencies in relation to Dentistry	20	20 minutes

* This part covers science subjects relating to the practice of dentistry such as biology, pathology etc.

(b) Paper 2

	<u>Subject</u>	<u>No. of questions</u>	<u>Time allowed</u>
Part A	Oral Surgery, Oral Medicine and Oral Pathology	50	1 hour
Part B	Paediatric Dentistry and Orthodontics	50	1 hour
Part C	Conservative Dentistry	50	1 hour
Part D	Periodontology, Preventive Dentistry and Dental Public Health	50	1 hour
Part E	Prosthodontics	50	1 hour

- (2) Answer sheets will be provided and these will require pencil markings to be made in boxes to accord with instructions that will be issued at the time of examination. Candidates should bring several sharpened HB or B pencils and a high quality eraser to the examination.
- (3) For both Papers 1 and 2, candidates who fail in one or more parts will be allowed to re-sit those unsuccessful part(s) only, while retaining partial results for the successful ones. Candidates will be allowed to retain partial results in Part I Written Test for four diets or four years, whichever event occurs first. This condition applies to the partial pass result obtained in Part I of LE in 2015 or thereafter. This condition also applies to the valid partial pass result obtained in Part I of LE in 2013 and/or 2014 under the old result retention policy. This condition does not apply to partial pass result obtained in LE(s) in 2012 or before. However, the retention of a pass is subject to the condition set out in the first paragraph on this Guide.
- (4) Candidates are required to pass Part I of LE before proceeding to Part II or to Part II and Part III. Upon obtaining a pass in Part I, candidates are allowed to apply for sitting LE in the same diet for –
- (i) only Part II ; or
 - (ii) both Part II and Part III irrespective of the result of Part II.
- For candidates who wish to apply for sitting Part III only in any diet of LE, they must first obtain a pass in Part II.

Part II

- (1) The Practical Test is designed to test the candidate's manual dexterity and professional competence. The test comprises the following sections, the sequence of which will be announced at the commencement of the examination –

(a) Paediatric Dentistry and Orthodontics

This section consists of a practical test of not more than a one-hour duration, which may comprise one or both of the following:

- (i) The preparation of a plastic tooth on a phantom head for a cavity preparation on a primary tooth or a first permanent molar and may be a class II or III cavity preparation for the restoration with either silver amalgam, composite or other restorative materials. Alternatively, candidates may be required to prepare a plastic tooth for the placement of a stainless steel crown.

- (ii) The design of an orthodontic appliance or device such as a Hawley retainer, an Adam's clasp, finger springs or other orthodontic removable appliances. Candidates will be provided with the necessary wires to fabricate the designated appliances on a study cast provided.

A full set of instruments will be provided including conventional and high speed handpieces, burs, hand instruments, pliers, wire cutters, and other necessary materials. Candidates are allowed to bring in and use their own instruments (hand instruments and/or burs only) if they wish, but this must be clearly identified so that the instruments and burs provided can be returned upon completion of the tasks.

The exact nature of the assignment will be indicated at the start of the test.

(b) Prosthodontics

This section consists of a practical test of not more than a one-hour duration in which the candidates are required to design a removable partial denture.

Candidates will be given casts of a patient's dentition together with a brief dental history of the patient. A dental surveyor, design charts and pencils will be provided.

Candidates will be required to survey the casts and design a removable partial denture compatible with the patient's oral condition and the history provided. The design should be drawn on the chart provided and any modifications to the patient's teeth which are needed to make the design workable should be indicated.

(c) Conservative Dentistry

This section consists of a practical test of not less than a one-hour duration carried out on a phantom head.

Candidates will be required to prepare a plastic or (mounted) natural tooth for receiving an intra- or extra-coronal dental restoration, or (stages of) root canal therapy. Examples of task to be performed include preparations for full gold veneer crown, ceramometal (i.e. porcelain-fused-to-metal crown), all-ceramic crown, $\frac{3}{4}$ gold crown, porcelain labial veneers, mesio-occlusal-distal cavity, endodontic access, or root canal preparation and/or obturation. A silicone index/stent of the unprepared tooth will be provided, where applicable. The exact nature of the task will be indicated at the start of the test.

A full set of instruments (assumed sterile) will be provided including conventional and high speed handpieces, burs and hand instruments. Candidates are allowed to bring in and use their own instruments (hand instruments and/or burs only) if they wish, but endodontic rotary files are not allowed.

(d) Periodontology and Dental Public Health

This section consists of a simulation of subgingival scaling and subgingival scaling/root planing.

A basic set of hand instruments and powered scalers will be provided, but candidates are allowed to bring in and use their own instruments (hand instruments and/or burs only), which they may be accustomed to using clinically.

The designated areas for instrumentation will be given to candidates at the start of the examination and candidates will have 50 minutes to execute the procedures assigned in

the order of approach specified.

Completion of the task does not necessarily guarantee pass. Candidates will be tested on the proper use of appropriate instruments in the designated areas on the phantom head, the safety of their techniques and their skill and thoroughness of performance.

(e) Oral & Maxillofacial Surgery

This examination will be held in a Simulation Laboratory. The following four oral surgery aspects that a general dental surgeon should be familiar with are tested in this examination of about an hour duration. The candidates will have to rotate around different stations:

1. Theoretical and practical aspects of local anaesthesia
Candidates will be examined on their knowledge of local infiltration and nerve blocks necessary for dental extractions.
2. Knowledge of instruments used for extractions
Candidates will be expected to describe and apply the use of extraction forceps and elevators.
3. Suturing techniques
Competence in suturing skills will be tested. Candidates will be required to perform specific suturing techniques indicated at the start of the examination. The suture material and instruments will be provided. Candidates are allowed to use their own instruments, but not their own suture material.
4. Raising a surgical flap
Knowledge of soft tissue management will be tested in raising a surgical flap in a simulation setting. The exact nature of the task will be indicated at the start of the examination.

A full set of hand instruments (assumed sterile) will be provided.

Candidates are allowed to bring in and use their own instruments (hand instruments and/or burs only) if they wish but these must be clearly identified, so that the instruments provided can be returned upon completion of the tasks.

- (2) All or any of the above may be accompanied by a viva voce examination.
- (3) For those tests involving the use of the phantom head, the “patient” must be adjusted to a safe and realistic position, akin to the clinical setting. This element will form part of the assessment.
- (4) Candidates who fail in one or more sections in the Part II practical examination will be allowed to re-sit those unsuccessful section(s) only, while retaining partial results for the successful ones. Candidates will be allowed to retain partial results for four diets or four years, whichever occurs first. This condition applies to the partial pass result obtained in Part II of the LE in 2015 or after. This condition does not apply to partial pass result obtained in the LE(s) in 2012 or before. The retention of partial results in Part II, however, is subject to the condition set out in the first paragraph of this Guide.
- (5) A full set of instruments will be issued to all candidates attending this part (Part II) of the examination. Descriptions of instruments provided may be found on the website of the Council. Candidates will be allowed to use their own, clean instruments. However, for infection control reasons, they must be placed in a provided disinfectant beforehand. The

Council is not responsible for any damage to any instruments. All instruments that belong to the Simulation Laboratory must be returned upon completion of the tasks.

- (6) Candidates should bring a laboratory gown and protective gears to the examination. The use of personal protective equipment (PPE) is mandatory in any simulated clinical tests in Part II of this examination.
- (7) Candidates may use English or Cantonese during this part of the examination and must state their choice on their application forms. No last minute change of language preference will be allowed.
- (8) Candidates shall not put on, or bring into the laboratory, any clothing or articles, such as name badges, that will reveal their identity, their country of origin or the dental school that they attended. They shall only be identified by their respective candidate number.
- (9) Candidates are required to dress decently for the examination. No T-shirts, jeans or training shoes are to be worn. Examiners may refuse to admit candidates who do not follow this instruction.

Part III

- (1) The Clinical Test consists of 3 sections, namely (i) Paediatric Dentistry and Orthodontics, (ii) Conservative Dentistry, Periodontology, Prosthodontics, and (iii) Oral & Maxillofacial Surgery, and is designed to test the candidate's ability to apply his professional knowledge to clinical situations particularly in diagnosis, treatment planning and treatment in the following –
 - (a) The restoration of teeth
 - (b) The diagnosis and treatment of periodontal conditions
 - (c) Aspects of prosthodontic treatment provision
 - (d) The surgical management of patients
 - (e) The diagnosis, treatment planning, and management of infants, children, and adolescents

The Clinical Test may be accompanied by a viva voce examination. The section testing the subject of Conservative Dentistry, Periodontology, Prosthodontics will be in a format of structured simulated viva voce examination. No live patients will be involved in the examination.

- (2) Candidates will be allowed to retain partial results for four diets or four years, whichever event occurs first. This condition applies to the partial pass result obtained in Part III of LE in 2015 or after. This condition also applies to the valid partial pass result obtained in Part III in LE in 2013 and/or 2014 under the old result retention policy. This condition does not apply to partial pass result obtained in LE(s) in 2012 or before. The retention of partial results in Part III, however, is subject to the condition set out in the first paragraph of this Guide.
- (3) Candidates may use English or Cantonese during this part of the examination and must state their choice on their application forms. No last minute change of language preference will be allowed.
- (4) Candidates shall not put on, or bring into the examination room, any clothing or articles, such as name badges, that will reveal their identity, their country of origin and/or the dental school that they attended. They shall only be identified by their respective candidate number.

- (5) Candidates are required to dress decently for the examination. No T-shirts, jeans or training shoes are to be worn. Examiners may refuse to admit candidates who do not follow this instruction.

II. **RECOMMENDED BOOKLIST**

- (1) Cameron AC, Widmer RP, Editors
Handbook of Pediatric Dentistry, 4th Edition
Mosby, 2013
- (2) Welbury R, Duggal MS, Hosey MT
Paediatric Dentistry, 5th Edition
Oxford University Press, 2019
- (3) Andreasen JO, Andreasen FM, Andreasen L
Textbook and Color Atlas of Traumatic Injuries to the Teeth, 5th Edition
Wiley-Blackwell, 2018
- (4) Scully C, Welbury R, Flaitz C, de Almeida OP, Editors
Color Atlas of Orofacial Health and Disease in Children and Adolescents, 2nd Edition
London: Martin Dunitz, 2002
- (5) Mitchell L
An Introduction to Orthodontics, 4th Edition
Oxford: Oxford University Press, 2013
- (6) Fejerskov O, Kidd E
Dental Caries: The Disease and its Clinical Management, 2nd Edition
Oxford: Blackwell Munksgaard, 2008
- (7) Mjör IA
Pulp-Dentin Biology in Restorative Dentistry
Chicago: Quintessence Publishing, 2002
- (8) Banerjee A, Watson TF
Pickard's Manual of Operative Dentistry, 9th Edition
Oxford: Oxford University Press, 2011
- (9) Klineberg I, Jagger RG, Editors
Occlusion and Clinical Practice: An Evidence-Based Approach
Edinburgh: Wright, 2004
- (10) Bergenholtz G, Horsted-Bindsley P, Reit C.
Textbook of Endodontology, 2nd Edition
Oxford: Wiley-Blackwell, 2009
- (11) Rosenstiel SF, Land MF, Fujimoto J
Contemporary Fixed Prosthodontics, 4th Edition
St. Louis, MI: Mosby Elsevier, 2006

- (12) Carr AD, Brown DT
McCracken's Removable Partial Prosthodontics, 12th Edition
St. Louis, MI: Mosby Elsevier, 2011
- (13) Zarb G, Hobkirk J, Eckert S, Jacob R
Prosthodontic Treatment for Edentulous Patients, 13th Edition
St. Louis, MI: Mosby Elsevier, 2013
- (14) Wilson TG Jr, Kornman KS, Editors
Fundamentals of Periodontics, 2nd Edition
Chicago: Quintessence Publishing, 2003
- (15) Lindhe J, Lang NP, Karring T, Editors
Clinical Periodontology and Implant Dentistry, 5th Edition (2 volumes)
Oxford: Blackwell Munksgaard, 2008
- (16) Pine C, Harris R
Community Oral Health
Chicago, IL: Quintessence Publishing, 2007
- (17) Cawson RA, Langdon JD, Eveson JW
Surgical Pathology of the Mouth and Jaws, 2nd Edition
London: Butterworth-Heinemann, 2000
- (18) Soames JV, Southam JC
Oral Pathology, 4th Edition
Oxford: Oxford University Press, 2005
- (19) Toghil PJ, Editor
Examining Patients: An Introduction to Clinical Medicine, 2nd Edition
London: Edward Arnold, 1995
- (20) Scully C, Flint SR, Porter SR, Bagan JV, Moos KF
Oral and Maxillofacial Diseases, 4th Edition
London: Informa Healthcare, 2010
- (21) Scully C, Cawson RA
Medical Problems in Dentistry, 6th Edition
Edinburgh: Churchill Livingstone Elsevier, 2010
- (22) Scully C
Oral and Maxillofacial Medicine: The Basis of Diagnosis and Treatment, 3rd Edition
Edinburgh: Churchill Livingstone Elsevier, 2013
- (23) Hupp JR, Ellis E III, Tucker MR, Editors
Contemporary Oral and Maxillofacial Surgery, 5th Edition
St. Louis, MI: Mosby Elsevier, 2008
- (24) Ledlar J, Frame JW, Editors
Oral and Maxillofacial Surgery: An Objective-based Textbook, 2nd Edition
Edinburgh: Churchill Livingstone Elsevier, 2007

III. TIMETABLE

- (1) The schedule of LE 2020 is as follows –

Part I (Written Test)	: 21 October 2020
Part II (Practical Test) and Part III (Clinical Test)	: To be announced in due course

- (2) If, at any time, it is found necessary to discontinue this LE, due notice will be given.

IV. SUBMISSION OF APPLICATION

Applications for the Part I of the LE 2020 for both new and old/re-sit applications will be accepted during the period from **20 July to 9 August 2020**. Late applications will not be accepted.

V. REMARKS

- (1) The Council reserves the right to review and amend this Guide from time to time.
- (2) The Council will assess the eligibility of all applicants to sit LE.
- (3) The basic dental qualification that qualifies the applicant to sit for LE would be the qualification to be appeared on his/her entry on the General Register when he/she register with the Council after having successfully passed LE.
- (4) All eligible candidates will be given information on examination such as sample questions, sample structure simulated viva voce case, photographs of typodont and instruments etc. before the examination.
- (5) There is no maximum number of candidates set for Part I examination.
- (6) For Part II and Part III, the Council has absolute discretion to arrange candidate to take part in the examination on another date or diet if the enrollment exceeds the present capacity of examination venue.
- (7) The Council does not engage organizations or agencies on matters relating to the Examination such as revision courses. Candidates may contact, at their discretion, any local dental professional organizations, such as Hong Kong Dental Association (website at <http://www.hkda.org>), to seek assistance on matters relating to practising dentistry in Hong Kong.
- (8) Questions arising from its contents should be raised with the Secretary of the Council at 4/F, Hong Kong Academy of Medicine Jockey Club Building, 99 Wong Chuk Hang Road, Aberdeen, Hong Kong. (Tel. No. : (852) 2873 5862 Fax No. : (852) 2554 0577 Email: dchk@dh.gov.hk)
- (9) Every effort has been made to ensure that this Guide is as accurate as possible. The Council is not bound to follow exactly the procedures described since this document is meant to be used as a set of guidelines related to the Council's intentions regarding this examination.

Board of Examiners
The Dental Council of Hong Kong
July 2020