



Licence in Dental Surgery

Part 3 Sample Questions

Overview

This document contains sample questions designed to illustrate the format and style of questions used in the Part 3 Licence in Dental Surgery (LDS) examination.

The sample material contains three cases – A, B and C – that candidates would be required to complete in a Part 3 examination. The sample material provided contains:

- The candidate instruction and material booklet
- Case A marks scheme
- Case B mark scheme
- Case C mark scheme

The questions included are not taken from the live examination banks and are provided solely as examples to support preparation and familiarisation with the exam.

Candidate number:



Faculty of
Dental Surgery

ROYAL COLLEGE OF SURGEONS OF ENGLAND

Licence in Dental Surgery

Part 3 Practical Clinical Skills Examination

Candidate Instructions

Saturday, 1st January 20**

DO NOT REMOVE THIS BOOKLET FROM THE EXAMINATION VENUE

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Introduction

- The Practical Clinical Skills (PCS) examination will be a simulation of patients attending for care.
- You will have **three cases** to manage in the time allocated.
- The basis of the PCS examination are appropriate practical procedures that can be carried out by a recently qualified UK dentist
- This is a **simulated clinical exercise**, and regulations that govern clinical activity involving a patient (e.g., professionalism, infection control, positioning of the operator and the manikin, and compliance with health and safety regulations) will be marked as follows:
 - In Case A and Case B, candidates will be observed and marked for safe clinical practice and professionalism
 - In Case C candidates will be observed and marked for infection control, safe clinical practice and professionalism.
- Please adhere to these regulations to meet the required pass standard for this examination.
- You will have up to thirty minutes prior to the start of the Practical Clinical Test to allow familiarisation with the equipment and materials.

Instructions

1. You will be provided the relevant records of the simulated patients attending for dental treatment.
2. This booklet contains significant information which has been designed to guide your clinical practice today. Please interpret the clinical data provided before starting any procedures.
3. Please complete the tasks for each of the three cases provided in the sequence advised.
4. Please note that the tasks for Cases A and B will be marked **after** the examination. You can use the time available for Case A and B flexibly, although suggested timings have been provided. **Where necessary, space is provided in this booklet for you to make relevant entries as requested in the tasks.** This is indicated by a pencil symbol:



5. The tasks for Case C will be observed and marked as you perform them. You will be assigned a time either at the beginning or the end of the 3-hour period to complete the Case C tasks. You must not begin the tasks for Case C until instructed to do so by an examiner.

You have **THREE HOURS** to complete the tasks outlined in Cases A, B and C. No additional time will be given to complete the tasks.

Turn over ►

Case A

Name: Ms. Ann Hathaway	DOB: 04/01/1978 Age : 48 yrs.	Record No: AB12345
Address: Whitehall , Hammond Road, London SW9 2LL		Occupation: Banker
Dental Attendance: Regular	Non-Smoker / Moderate Social Drinker	

Presenting Complaints:

- Intermittent pain upper right quadrant, mostly when biting, occasionally at night. Pain episodes becoming more frequent. Occasional pain with cold drinks.

History of Presenting Complaint:

- Regular attendee, has had some restorative dental treatment in past.
- She is aware that she grinds teeth from time to time related to her high stress job.

Medical History:

- Fit and well. Patient is not on any medication and has no allergies.

Dental History:

- Patient grinds her teeth at night.

Diet History:

- Consumes some alcohol, eats healthy diet

Extra-Oral Examination:

- Nothing abnormal detected.

Intra-Oral Examination:

- Soft tissues – Nothing abnormal detected
- Signs of tooth grinding with wear facets on canines and molars
- Class I occlusion with apparent group function on left lateral excursion.
- UR6 has extensive occlusal amalgam filling present, sign of enamel fracture at mesial marginal ridge, slightly tender to percussion, not tender to palpation, tests positive with endo-frost/ept – slightly exaggerated response compared to unrestored UL6. Test with “tooth slooth” or equivalent – sharp pain when pressure applied and released.

Teeth present:		Basic Periodontal Examination (BPE)		
87654321	12345678	1	0	1
87654321	12345678	1	2	1

Case A Tasks

It is suggested that you spend approximately 70 minutes on this section.

- A1. Please indicate your preferred treatment option by completing the separate sheet and handing it to an assistant.



The treatment options available to you are:

- Gold onlay with aesthetic considerations;
- Lithium disilicate crown
- Ceramo-metal crown
- Ceramic onlay/ $\frac{3}{4}$ crown
- $\frac{3}{4}$ Metal Crown
- Zirconia onlay

- A2. Prepare UR6 to receive the indirect restoration you have chosen in A1.

Please note the existing amalgam restoration in UR6 can be assumed to be sound and does not need replacement

- A3. Fabricate a provisional restoration for the prepared UR6.

Do not cement the provisional restoration, but leave ONE in the bottle provided to allow both the preparation and the provisional restoration to be marked.

END OF TASK A

Turn over ►

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Case B

Name: Vinnie Jones	DOB: 19/08/1994	Record No: 97406
Address: 23 The Home, Essex ,CM24 2TT		Occupation: Teacher
Dental Attendance: Regular attendee		

Presenting Complaints:

- “Lost filling on my front tooth”. The patient is experiencing no pain.
- “My other front tooth has gone grey”.

History of Presenting Complaint:

- She was hit in the face with a hockey stick 4 years ago.
- Both of her front teeth were a little loose, so she had to wear a splint for a week. Upper right front tooth was root treated at the left time. This tooth lost the filling at the back last night, whilst eating pizza.
- The upper left front tooth appears to be dark and there is pain from the left side.

Medical History:

- Healthy.
- No medications or allergies.

Dental History:

- Attends for check-ups annually.
- No dental anxieties.

Social History:

- Non-smoker.
- Alcohol: 8 units/week.

Diet History:

- Generally low sugar frequency.

Extra-Oral Examination:

- NAD

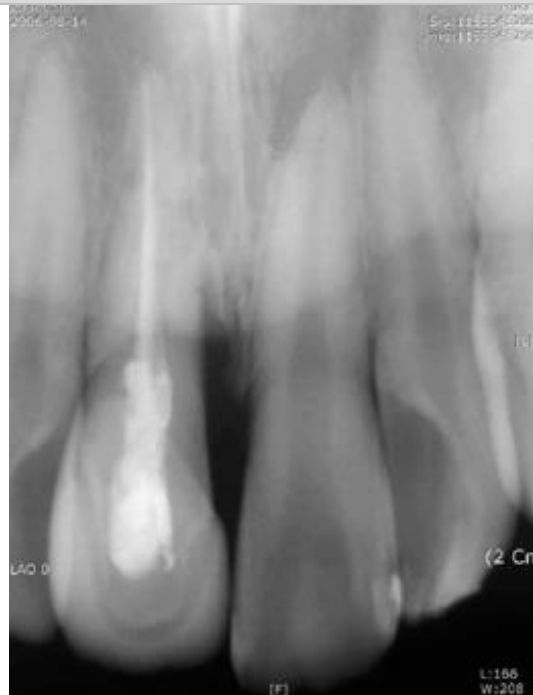
Intra-Oral Examination:

- NAD

Turn over ►

Teeth present:

7654321	1234567
7654321	1234567

Dental chart:***Periapical Radiograph of Central Incisors*****Clinical findings:**

- UR1 root treated with lost restoration palatally.
- UL1 discolouration and pain associated with pain.
- No caries noted.

BPE	0	0	2	Plaque score: 9%
	0	2	0	Bleeding score: 3%

Occlusion:

- Class I incisor and molar relationship.
- Left and right canine guidance with no non-working side interferences.
- Shared protrusive guidance on all upper and lower incisors.

Turn over ►

Special Investigations:

Tooth	Thermal Sensibility	Electric Sensibility	Tenderness to Percussion & Palpation	Mobility
UL1	Negative	Negative	Positive	None
UR1	Negative	Negative	Negative	None
UL2	Positive	Positive	Negative	None

Diagnoses:

- UL1 pulp necrosis with apical periodontitis.
- UR1 lost restoration.
- Periodontal health - Good.
- Low caries risk.

Treatment already completed

- Oral hygiene instruction.
- Diet and fluoride advice.
- Supragingival PMPR.

Turn over ►

Case B Tasks

It is suggested you spend **approximately 70 minutes** on this section.

- B 1. You plan to initiate endodontic therapy on the appropriate tooth. Please create an access cavity, gaining access to the pulp chamber and root canal. Please do NOT attempt to prepare the canal.
- B 2. Please restore the UR1 with an appropriate restorative dental material.

END OF CASE B

Turn over ►

Case C

Name: Miss Chatty Cathy	DOB: 14/06/2012 Age: 14 yrs	Record No: CC123456
Address; Aldgate Row, Aldgate E1 2ND		Occupation: High school student
Dental Attendance: Regular		Non-Smoker /Non-Drinker

Presenting Complaints:

- Patient has attended with her mother. She had a fall and chipped her upper front tooth. The tooth is painful and slightly mobile.

History of Presenting Complaint:

- She slipped fractured anterior tooth during school trip.
- She has an injury to the mucosa of her upper lip.
- There is minor discomfort.UL1 only grade 1 mobility, **no other teeth mobile or tender to palpation/percussion.**

Medical History:

- Fit and well. Patient is not on any medication and has no allergies.

Dental History:

- Regular attender who generally has well maintained teeth.

Social History:

- Student at high school preparing for exams.

Diet History:

- Healthy dietary habits.

Extra-Oral Examination:

- Slight swelling of the upper lip.

Intra-Oral Examination:

- Soft tissues – Laceration of the upper lip reflecting mucosa. No mobility noted on UR1, UL2.

Teeth present:

7654321	1234567
7654321	1234567

Turn over ►

Dental chart:

		PRR					#								
	PRR	PRR											PRR	PRR	

Amalgam
 Caries
 Composite
 GIC
 Temporary



Photograph of fractured UL1 with bleeding indicating a sulcus laceration

AP radiograph of fractured UL

Diagnoses

- From the information provided you should be able to formulate your diagnoses.
- Use these to guide your treatment today.

It is not necessary to record your diagnoses

Turn over ►

Case C Tasks

Only complete these tasks once you are instructed to do so by an examiner.

You have 40 minutes to complete this section.

C1. Choose the appropriate radiographic holder to take a periapical radiograph of the affected teeth. Set-up the holder for the radiograph provided of the anterior teeth including upper left central incisor (UL1).

C2. Demonstrate administration of local analgesia to carry out suturing of the cut in the upper lip sulcus.

Assume you have debrided and irrigated the soft tissue laceration of debris

C3. Simulate suturing of the labial mucosa by suturing on the sponge provided in the box labelled Case C.

C4. Dispose of the equipment appropriately in the labelled trays for the most appropriate method of infection prevention and control in the dental operator.

C5 Write a prescription for antibiotics to prevent infection in the tissue laceration.

END OF CASE C

END OF EXAMINATION INSTRUCTIONS

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Station	Session	Circuit	Examiner name and number			 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard

Binary questions				
Exercise attempted (if the tooth is not treated no marks awarded)	NO			YES
Correct tooth treated (if the tooth is not treated no marks awarded)	NO			YES
Putty index usable (if the tooth is not treated no marks awarded)	NO			YES

To be marked only if all Binary questions have been set as 'Yes'

Occlusal reduction: general				
Occlusal reduction:				
Functional cusp bevel				
Axial reduction				
Axial taper				
Surface finish				
Path of insertion				
Margin width				
Margin profile/shape				
Margin position				
Margin finish				
Collateral damage to adjacent teeth				
Collateral damage to gingivae				

Station	Session	Circuit	Examiner name and number		 Royal College of Surgeons ADVANCING SURGICAL CARE	
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard

Binary questions				
Exercise attempted (if the tooth is not treated no marks awarded)	NO			YES
Shape, external	NO			YES
Crown removed or removable?	NO			YES

To be marked only if all Binary questions have been set as 'Yes'

Shape, internal				
(Only if the crown has been removed)				
Thickness				
(Only if the crown has been removed)				
Retention				
(Only if the crown can be replaced)				
Margin				
(Only if the crown has been removed)				
Fit				
(Only if the crown can be replaced)				
Finish				

Station	Session	Circuit	Examiner name and number		 Royal College of Surgeons ADVANCING SURGICAL CARE	
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard

Binary questions				
Exercise attempted (if the tooth is not treated no marks awarded)	NO			YES
Correct tooth treated (if the tooth is not treated no marks awarded)	NO			YES

To be marked only if all Binary questions have been set as 'Yes'

Position of the access cavity: Mesio-distal				
Position of the access cavity: Incisal-gingival				
Outline form				
Size				
Pulp chamber preparation				
Access and location of canal orifice				
Damage to adjacent teeth/gingivae				

Station	Session	Circuit	Examiner name and number	 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number	

Global marks	Well below standard	Just below standard	Meets standard	Above standard
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Binary questions				
Exercise attempted (if the tooth is not treated no marks awarded)	NO			YES
Correct tooth treated (if the tooth is not treated no marks awarded)	NO			YES

To be marked only if all Binary questions have been set as 'Yes'

Palatal contour				
Cingulum contour				
Core restoration quality				
Restoration - tooth interface				
Surface finish				
Iatrogenic damage:				
Adjacent teeth				
Iatrogenic damage:				
Gingivae				

Station	Session	Circuit	Examiner name and number			 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard
Binary questions						
Correct tooth radiographed			NO			YES
C1- To be marked only if all Binary questions have been set as 'Yes'						
Selection of film and orientation						
Sets up holder						
Positions in phantom head at correct orientation						

Station	Session	Circuit	Examiner name and number	 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number	

Global marks	Well below standard	Just below standard	Meets standard	Above standard
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C2				
Short/long needle				
Sets up LA holder				
Safety sheath				
Administration of local anaesthetic				
Correct side				
Palpation / Retraction				
Correct site and positioning				
Administration				
Removal of needle				
Dismantling technique				

Station	Session	Circuit	Examiner name and number			 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard
Binary questions						
Exercise attempted (If not then this exercise is terminated and no marks awarded)			NO			YES
C3- To be marked only if all Binary questions have been set as 'Yes'						
Suture & needle						
Needle holder handling						
Suture placement						
Number of sutures						
Suture knot						

Station	Session	Circuit	Examiner name and number			 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard
C4						
Correct disposal of equipment			Sharps and infected material not placed appropriately	Sharps not placed in sharps bin	11 or 12 items correctly disposed of	13 or more items correctly disposed of.

Station	Session	Circuit	Examiner name and number			 Royal College of Surgeons ADVANCING SURGICAL CARE
Date			Candidate name and number			
Global marks			Well below standard	Just below standard	Meets standard	Above standard
C5						
Correct boxes circled			<2 (green) circled and Antibiotics prescribed	Only 2 (green) circled, or 2-4 circled (green and orange only)	Only 3 (green) circled, or 4-6 circled (green and orange only)	Only 4 (green) circled