

Learner Name \_\_\_\_\_ Company Name \_\_\_\_\_

Assessor Name \_\_\_\_\_ Date Submitted \_\_\_\_\_



## Level 3 Diploma in Dental Nursing - 5234

### 301 Reducing Risks to health and safety in the dental setting.

#### Unit Aim:

This unit is about health and safety in a dental nurse's day to day work. This includes identifying and dealing with risks and hazards in the workplace.

### 304 Prepare and maintain environment, instruments and equipment for clinical dental procedures

#### Unit Aim:

This unit focuses on the method of infection control within the general dental environment and the application of health and safety measures for clinical dental procedures, the sterilization of dental instruments and equipment including the safe disposal of waste.

#### To achieve this unit, you will need to complete:

Task A Questions	Task D Assignments
Task B Assignments	Task E Questions
Task C Legislation Research	Task F Hazardous Waste

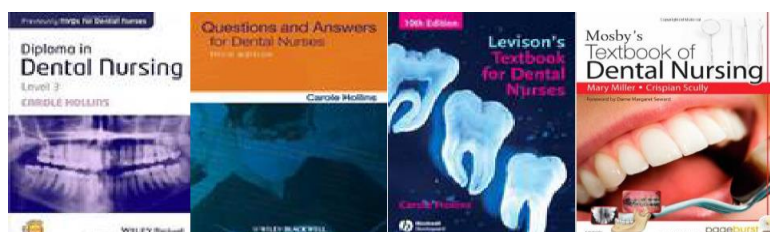
In addition to these tasks your assessor and/or observer may ask you to complete further evidence, including a variety of: questions and answers, reflective accounts, expert witness testimonies and personal statements. Please ask your assessor how to refer to criteria numbers in the standards.

**When completing these tasks please use additional pages ensuring your name, signature and questions are included on each page. Please ensure you keep copies of ALL your work.**

The whole workbook along with any observations and all supporting evidence should be submitted when your assessor is satisfied that the evidence meets the requirements in full.

#### Suggested resources: -

- Internet
- Practice policies
- Plus, the following textbooks:



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## Task A Questions

What is the definition of a hazard? (A/C 1.1)

What is the definition of a risk? (A/C 1.1)

What is the process for reporting non-compliance?

What hazards would you report to your manager, supervisor and health and safety representative?  
(A/C 3.1 RANGE ABC)

What steps would you take when dealing with the following **Hazards** in your **dental setting** in accordance with practice policy? (A/C 3.2 RANGE A-E & A, 304 2.4B A-D)

- A) **Mercury Spillage**
- B) **Radiation**
- C) **Cross Infection**
- D) **Environmental Factors/Waste Disposal**
- E) **Body Fluid Spillages**
- F) **Water spillage**
- G) **Chemical Spillage**

How do you contribute to the health and safety improvements within the dental setting? (Include examples of when you have contributed to any Health and Safety improvements in your practice).  
(A/C 4.5)

Explain the difference between work practice, **organisational and legal requirements** and manufacturer instructions.

Who would non-compliance be reported to?  
(A/C 2.2 RANGE AB)

## Task B Assignments

Complete the table below listing ten hazards and the precaution in place to minimize the hazard.  
(A/C 301 1.3 RANGE A, 301 1.2 RANGE A)

Hazard	Precaution

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Please write in detail about the following:

(A/C 301 1.2 BC)

- A) safe use of hazardous substances, smoking, eating, drinking and drugs policies
- B) what to do in the event of a fire emergency, personal presentation at work, moving and handling policy.

What colour cleaning mop and bucket should be used in the following areas?

Toilet  
Kitchen  
Reception Area  
Clinical Area

### Task C Legislation Research

Research the following legislation and identify the **organisational and legal requirements** for each one (complete the table below). (A/C 2.1 RANGE A-E, 4.1 RANGE A-E)

Legislation	Organisational & Legal Requirements
a) Health and Safety at Work Act 1974	
b) Control of Substances Hazardous to Health (COSHH)	
c) Environmental Protection Act 1990	
d) Ionising Radiation (Medical Exposures) Regulations (including local rules)	
e) Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (RIDDOR)	

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## Task D Assignments

Research the four different types of microorganisms found in the dental surgery and the shapes of these.

(A/C 304 1.8)

Please complete the table below listing the decontaminants used in the dental surgery and what they are effective against.

(A/C 304 1.8)

Decontaminant	Effective Against

Give an example why you might adjust each of the following **environmental factors** within the surgery:

(A/C1.7 RANGEABC)

**A Heating**

**B Lighting**

**C Ventilation and humidity**

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What action would you take if the following **equipment** failed? (A/C 304 2.4 A RANGE A-I)

- |                      |                               |
|----------------------|-------------------------------|
| a) dental chair      | f) x-ray processing equipment |
| b) aspirator         | g) autoclave                  |
| c) hand pieces       | h) washer dryer               |
| d) ultrasonic scaler | i) ultrasonic bath            |
| e) x-ray machine     |                               |

Explain the reporting procedures for the following **hazards**:

(A/C 304 2.5 RANGE A-E)

**A Hepatitis B**

**B HIV**

**C Herpes simplex**

**D Damaged instruments**

**E Sharps injury (Clean and dirty)**

### Task E Questions

What methods can be used to test that autoclaves are functioning correctly? (A/C 3.2)

Why is it important to place **equipment** and instruments in the correct location for the **stages of sterilisation**? (A/C 3.3 RANGE A&B, RANGE A&B)

Why should you pre-clean instruments prior to sterilisation? (A/C 3.5)

How is maintenance of equipment and instruments recorded and how long should records be retained for? (A/C 3.8)

What are the potential risks of failing to decontaminate equipment and instruments? (A/C 3.9)

What are the potential long term effects of using damaged or pre-used sterile goods? (A/C 3.10)

Who is responsible for dismantling the used sharps within the surgery? (A/C 301.3.2 RANGE G)

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**Task F Hazardous Waste Table**

Complete the table below to identify the different categories of waste, their associated risks and the correct disposable method:

(A/C 4.1 RANGE A&B, 4.2, 4.4, 301 3.2 RANGE F, G)

Type of <b>Waste</b>	Correct Disposal	Associated danger of not disposing properly
Hazardous		
1		
2		
3		
4		
5		
Non-Hazardous		
1		
2		
3		