

**UNIVERSITY OF BOLTON**

**FACULTY OF HEALTH AND WELLBEING**

**FdSc DENTAL TECHNOLOGY**

**SEMESTER ONE EXAMINATION 2018/2019**

**ORAL ANATOMY, PHYSIOLOGY AND BASIC**  
**DENTAL APPLIANCE DESIGN**

**MODULE NO: DNT4002**

Date: Monday 14 January 2019

Time: 2.00 pm – 3.30 pm

---

**INSTRUCTIONS TO CANDIDATES:**

There are 8 questions in Section A and 3 questions in Section B on this paper.

Answer ALL questions in Section A and 2 questions from 3 in Section B.

There are a total of 60 marks available

The pass mark is 40%

---

Faculty of Health and Wellbeing  
FdSc Dental Technology  
Semester One Examination 2018/2019  
Oral Anatomy and Physiology and Basic Dental Appliance Design  
Module No. DNT4002

**SECTION A – ANSWER ALL QUESTIONS**

1. Briefly describe National Health Service (NHS) Units of Dental Activity (UDA) treatment banding.  
**6 marks**
2. What is the difference between a high level disinfectant and an intermediate level disinfectant?  
**4 marks**
3. Outline the main diagnostic purposes of a dental x-ray.  
**5 marks**
4. How is a Course of treatment (COT) defined?  
**(4 marks)**
5. A dental image obtained by using a bite wing will show the entire oral cavity. True or false?  
**1 mark**
6. Define the term asepsis.  
**2 marks**
7. Name some of the reasons why in an interdisciplinary clinical situation the experience and expertise of a dental technician may be called upon.  
**4 marks**

Faculty of Health and Wellbeing  
FdSc Dental Technology  
Semester One Examination 2018/2019  
Oral Anatomy and Physiology and Basic Dental Appliance Design  
Module No. DNT4002

**Please turn the page**

8. A pathogen has been identified by Control of Substances Hazardous to Health (COSHH) as being hazard group 3. What do you understand by this classification? Give 2 examples of such a pathogen.

**4 marks**

**Total marks: Section A - 30 marks**

PAST EXAMINATION PAPER

Faculty of Health and Wellbeing  
FdSc Dental Technology  
Semester One Examination 2018/2019  
Oral Anatomy and Physiology and Basic Dental Appliance Design  
Module No. DNT4002

**SECTION B – ANSWER ANY 2 QUESTIONS FROM THIS SECTION**

- 9.
- a) Identify what you understand to be the 3 main defences the body has against diseases and how they achieve this. (6 marks)
- b) With the aid of a diagram illustrate the links that make up the cycle of infection. Your answer should include a short explanation for each link. (6 marks)
- c) What does the term cross infection mean and which infectious diseases are of concern to the dental team? (3 marks)

**Total 15 marks**

10. Discuss the ethical standards which apply to the dental team and describe their influence on the treatment that dental patients receive.

**15 marks**

**Please turn the page**

Faculty of Health and Wellbeing  
FdSc Dental Technology  
Semester One Examination 2018/2019  
Oral Anatomy and Physiology and Basic Dental Appliance Design  
Module No. DNT4002

11.



<https://www.sewelldentalarts.com/wp-content/uploads/2015/02/Stained-Denture.png>

Study the picture above. Describe the multi-step processes involved in the decontamination of such a prosthesis arriving into the dental laboratory.

**15 marks**

**Total marks: Section B - 30 marks**

**TOTAL MARKS FOR PAPER: 60 marks**

**END OF QUESTIONS**