

UNIVERSITY OF BOLTON

FACULTY OF HEALTH AND WELLBEING

BARNET AND SOUTHGATE COLLEGE

FdSc DENTAL TECHNOLOGY

SEMESTER TWO EXAMINATION 2018/2019

**ORAL ANATOMY AND PHYSIOLOGICAL AND
BASIC DENTAL APPLIANCE DESIGN**

MODULE NO: DNT4002

Date: Wednesday 22 May 2019

Time: 10.00 am - 11.30 am

INSTRUCTIONS TO CANDIDATES:

There are 8 questions in Section A and 3 questions in Section B.

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 – Barnet and Southgate College
FdSc Dental Technology
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Oral Anatomy and Physiological and Basic Dental Appliance Design
Module No. DNT4002

SECTION A – ANSWER ALL QUESTIONS

1. Briefly differentiate between the dental treatment bands as described by the National Health Service (NHS) used to determine Units of Dental Activity (UDA).
6 marks

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

3. Describe briefly what you understand to be the main diagnostic purposes of a dental x-ray.
5 marks

4. Identify how a CoT (course of treatment) is defined?
4 marks

5. How does a high level disinfectant differ from an intermediate level disinfectant?
4 marks

6. What does the term asepsis mean?
2 marks

Please turn the page

Faculty of Health and Wellbeing – Barnet and Southgate College
FdSc Dental Technology
Semester Two Examination 2018/2019
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Module No. DNT4002

7. A dental image in which dense materials appear lighter are referred to as radiolucent because they absorb x-rays. True or false?

1 mark

8. Demonstrate your understanding of the reasons why in an interdisciplinary clinical situation the experience and expertise of a dental technician may be called upon.

4 marks

Total marks: Section A - 30 marks

Please turn the page

Faculty of Health and Wellbeing – Barnet and Southgate College
FdSc Dental Technology
Semester Two Examination 2018/2019
Oral Anatomy and Physiological and Basic Dental Appliance Design
Module No. DNT4002

SECTION B – ANSWER ANY 2 QUESTIONS FROM THIS SECTION

- 9.
- a) The human body has 3 main defences against diseases. Identify what these are 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 do you understand by the term cross infection? Which infectious diseases are of concern to the dental team?
(3 marks)

Total 15 marks

Please turn the page

Faculty of Health and Wellbeing – Barnet and Southgate College
FdSc Dental Technology
Semester Two Examination 2018/2019
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Module No. DNT4002

10.



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

Decontamination is a vital procedure required to minimise cross contamination. Having studied the picture above describe the multi-step processes involved in the decontamination of such a prosthesis arriving into the dental laboratory.

15 marks

11. The dental team are required to apply a number of ethical standards which influence the treatment that dental patients receive. Describe and discuss this statement.

15 marks

Total marks: Section B - 30 marks

END OF QUESTIONS