

UNIVERSITY OF BOLTON

FACULTY OF HEALTH AND WELLBEING

FdSc DENTAL TECHNOLOGY

SEMESTER ONE EXAMINATION 2023/2024

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

MODULE NO: DNT4002

Date: Friday 12 January 2024

Time: 12.00 pm – 1.30 pm

INSTRUCTIONS TO CANDIDATES:

There are **11 questions** on this examination paper.

Answer **ALL** questions on this examination paper.

There are a total of **75 marks** available.

The pass mark is 40%

Faculty of Health and Wellbeing
FdSc Dental Technology
Semester One Examination 2023/2024
Oral Anatomy and Physiology and Basic Dental Appliance Design
Module No. DNT4002

1) Dental banding.

a) A patient requires a denture. Which National Health Service (NHS) band do they come under?
(1 mark)

b) What other procedures can the patient expect to receive within this treatment band?
(6 marks)

Total 7 marks

2) Explain the multi-step process that is carried out in order to achieve decontamination of dental impressions, prostheses and orthodontic appliances.

13 marks

3) Opportunist pathogens can be classified as hazard group 3 according to Control of Substances Hazardous to Health (COSHH). What does this classification mean and give 2 examples of such a pathogen.

6 marks

4) When working in a dental laboratory it is essential to follow established protocols and procedures in order to limit cross infection and cross contamination.

Define these two terms and briefly describe how they differ.

4 marks

5) In the chain of infection what is meant by the term portal of entry?

Give 3 examples of a portal of entry.

5 marks

Please turn the page

Faculty of Health and Wellbeing
FdSc Dental Technology
Semester One Examination 2023/2024
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Module No. DNT4002

- 6) Promoting healthcare with the aim of achieving disease prevention is at the forefront of the National Health Service (NHS). How is this achieved?

10 marks

- 7) Describe and differentiate between the terms radiopaque and radiolucent and include 2 features identified by each.

10 marks

- 8) Briefly explain the importance of oral healthcare as part of general healthcare.

5 marks

- 9) What are the 3 main defences that the body has against disease?

3 marks

- 10) Standards for the dental team contain 9 principles.
Principle 7 states that you must “Maintain, develop and work within your professional knowledge and skills”.

- a) What does this mean?

(6 marks)

- b) What can the patient expect?

(3 marks)

Total 9 marks

Please turn the page

Faculty of Health and Wellbeing
FdSc Dental Technology
Semester One Examination 2023/2024
Oral Anatomy and Physiology and Basic Dental Appliance Design
Module No. DNT4002

- 11) When making your annual statement of Continuing Professional Development (CPD) to the General Dental Council (GDC) what information are you declaring?

3 marks

END OF QUESTIONS