

UNIVERSITY OF BOLTON
FACULTY OF HEALTH AND WELLBEING
BSc (HONS) DENTAL TECHNOLOGY
SEMESTER TWO EXAMINATION 2023/2024
PREPARING FOR PRACTICE AND STUDY SKILLS
MODULE NO: DNT4101

Date: Wednesday 15 May 2024

Time: 2.00 pm – 4.00 pm

INSTRUCTIONS TO CANDIDATES:

There are 14 questions on this paper.

Answer ALL questions.

There are a total of 100 marks available.

Marks for parts of questions are shown in brackets.

The pass mark is 40%.

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1. You receive a patient case in the dental laboratory. You make the decision to outsource or sub-contract the manufacture of the dental appliance to another dental laboratory outside of the UK, and does not have a General Dental Council (GDC) registered Dental Technician. Who is responsible for the safety and quality of the appliance?

- A. The Dentist who wrote the prescription.
- B. The laboratory outside the UK where the appliance was manufactured.
- C. The individual who manufactured the appliance in the laboratory outside the UK.
- D. You will be held professionally accountable for the safety and quality of the appliance.
- E. The General Dental Council.

1 mark

2. Communication.

a) Identify two potential barriers to communicating with patients effectively.

(2 marks)

b) Describe what a patient can expect when communicating with a dental professional According to the General Dental Council publication 'Standards for the Dental Team'.

(8 marks)

c) Effective communication plays a key role in gaining patient consent. When trying to establish whether a patient has the capacity to give valid consent, what four things must a patient be able to do when making a decision?

(4 marks)

Total 14 marks

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3. Children and vulnerable adults.

- a) Suggest four indications which may lead you to suspect that a vulnerable adult or child is being abused or neglected.

(4 marks)

- b) If you suspect the possible abuse of children or vulnerable adults what action must you take?

(3 marks)

Total 7 marks

4. Data protection.

- a) Identify two components of legislation used to govern data protection, include dates.

(4 marks)

- b) Under which circumstances may you release patients' information without their permission? Provide an explanation and example.

(3 marks)

- c) Outline patient expectations aligned to the fourth principle, Maintain and Protect Patients' Information.

(4 marks)

Total 11 marks

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5. Oral health.

a) Which two statements are correct in relation to oral health? Select two statements from the list below.

A. Oral diseases have common risk factors such as smoking and alcohol consumption.

B. Higher socioeconomic groups have higher levels of oral diseases.

C. Genetic factors do not predispose individuals to oral disease.

D. Lower socioeconomic status is linked with poor oral health.

E. Poor oral health is not associated with socioeconomic status.

F. Alcohol consumption does not impact oral health and hygiene.

(2 marks)

b) A patient presents with poor oral hygiene due to educational factors. Identify four methods that could be suggested to improve oral hygiene and health, and prevent further issues.

(4 marks)

c) Describe how diet can impact oral health.

(3 marks)

Total 9 marks

6. Prior to dispatching a dental device, the dental laboratory must complete a statement of manufacture. Demonstrate your knowledge of what should be included within this statement.

12 marks

7. Principle five states 'work with colleagues in a way that is in the patients' best interests'. What can a patient expect of a dental professional with regards to this?

2 marks

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8. Continuing Professional Development (CPD)

a) Define CPD.

(3 marks)

b) Name the four stages of a CPD cycle.

(4 marks)

Total 7 marks

9. Protected characteristics.

a) What is a protected characteristic?

(1 mark)

b) To which piece of legislation are protected characteristics related? Include the year in your answer.

(2 marks)

c) Identify 2 protected characteristics from the list below.

(2 marks)

- A. Appearance
- B. Pregnancy
- C. Profession
- D. Height
- E. Marriage
- F. Income
- G. Social standing
- H. Education

d) Which of the nine principles in the General Dental Council's publication 'Standards for the Dental Team' covers protected characteristics?

(1 mark)

Total 6 marks

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10. A registered dental professionals' fitness to practice will be measured against three elements, two of which are performance and health, name the third.

1 mark

11. Whilst working in a dental laboratory you observe a fellow Dental Technician allowing contaminated work to pass into the laboratory for processing.

a) Identify the immediate risks and issues generated.

(2 marks)

b) Identify all individuals and contacts that may potentially be affected/put at risk.

(6 marks)

c) What actions should you take in this instance?

(up to 6 marks)

Total 14 marks

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12. Ms Jones, a Dental Technician, has completed the manufacture of fixed restorations on a patient case. Being particularly pleased with the results she takes photographs and uploads them to her social media, the photos include the patients name on the models, along with images of prescription details in the background. The patient is unaware this has taken place at this stage.

a) Identify issues within this context.

(3 marks)

b) At a later date, the patient becomes aware of this and makes a complaint. From the list below, identify the 3 standards aligned to Principle 5, 'Have a clear and effective complaints procedure'.

(3 marks)

- A. Make sure that there is an effective complaints procedure readily available for patients to use, and follow that procedure at all times.
- B. If you need more time to investigate a complaint, you should tell the patient when you will respond.
- C. Respects patients' confidentiality.
- D. Respect a patient's right to complain.
- E. You must document the discussions you have with patients in the process of confirming their ongoing consent.
- F. Give patients who complain a prompt and constructive response.

Total 6 marks

13. Briefly explain the professional duty of candour.

2 marks

14. What might a patient need to know prior to consenting to treatment according to General Dental Councils Publication Standards for the Dental Team?

8 marks

END OF QUESTIONS