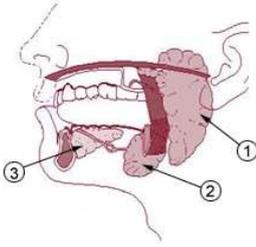


Level 2 Technical Certificate in Working in Dental Settings - May 2018

Question	Acceptable answer(s)	Guidance	Max marks
<p>1</p> <p>State two employee responsibilities in relation to maintaining a safe working environment.</p>	<p>One mark for each of the following points up to a maximum of two marks:</p> <ul style="list-style-type: none"> • Using equipment safely • Attending relevant training • Taking responsibility for own actions • Following relevant policies and procedures • Wearing appropriate PPE where applicable • Reporting accidents/incidents/equipment faults <p>Any other appropriate response.</p>		2
<p>2</p> <p>A chemical spill occurs when disposing of developing solution which then spreads onto the floor.</p> <p>Describe the procedure to safely deal with the spillage.</p>	<p>One mark for each of the following points to a maximum of four marks:</p> <ul style="list-style-type: none"> • Ventilate the area • Wear full PPE including gloves, face mask and goggles • Place any solution in relevant labelled, special waste storage containers • Wipe up with paper towels / dispose of waste safely • Clean the area with floor cleaner or detergent-based solution • Use the correct colour-coded cleaning equipment. 	<p>Note to marker: Candidates must provide the actions to take in order to obtain full marks. Full marks cannot be awarded unless ventilation is included in the answer.</p>	4
<p>3</p> <p>State three reasons for safely handling a conservative tray.</p>	<p>One mark for each of the following to a maximum of three marks:</p> <ul style="list-style-type: none"> • To protect themselves from an inoculation/needle stick injury • To prevent cross-infection • To follow legislation/guidelines/policies • To prevent disciplinary action <p>Any other appropriate response.</p>		3

<p>4</p> <p>State the two different methods of handwashing used in the dental setting.</p>	<p>One mark for each of the following points to a maximum of two marks:</p> <ul style="list-style-type: none"> • Clinical • Social. 		2
<p>5</p> <p>State three features of bacteria.</p>	<p>One mark for each of the following points to a maximum of three marks:</p> <ul style="list-style-type: none"> • It is single cell • It is destroyed by antibiotics • It has different shapes – rod, round, or spiral • Has a nucleus and cell wall • Can turn into a spore • Can be pathogenic and non-pathogenic • Can be destroyed by heat/disinfectant. 		3
<p>6</p> <p>A dental nurse incurs a contaminated needle stick injury.</p> <p>Explain the actions that the dental nurse should take.</p>	<p>One mark for identifying the action, up to a maximum of two marks. One mark for relevant explanation up to a maximum of two marks.</p> <ul style="list-style-type: none"> • Stop what they are doing immediately (1) to prevent further cross-infection to self and others (1) • Squeeze the wound under warm running water(1) to encourage bleeding (1) • Wash the area with antibacterial soap (1) to clean the area (1) • dry and cover with a waterproof dressing (1) to prevent further contamination (1) • check the patient’s medical history if possible (1) for possible contagious diseases • Report details in the accident book (1) in order to adhere to organisation policy (1) • Report the accident to the manager (1) to ensure organisational policies are followed (1) • Contact the local occupational health (1) to receive effective treatment, if needed (1) • Any other appropriate response. 	<p>Candidates should not be awarded marks for duplicate explanations.</p>	4

<p>7</p> <p>State three pieces of legislation in relation to safeguarding young children and vulnerable adults.</p>	<p>One mark for each of the following points to a maximum of three marks:</p> <ul style="list-style-type: none"> • Equality Act • The Care Act • Children’s Act • Human Rights Act • Data protection Act • Mental Capacity Act • Prevent Duty Guidance • The Public Interest Disclosure Act • Safeguarding of Vulnerable Groups Act. 		3
<p>8</p> <p>A 5-year-old child attends an appointment with suspicious facial and bodily bruising.</p> <p>Explain why it is important to record and report the observation.</p>	<p>One mark for each of the following points to a maximum of three marks:</p> <ul style="list-style-type: none"> • To pass evidence to the safeguarding officer • So the safeguarding officer can investigate/take necessary actions • To protect the child from potential abuse • To adhere to organisation/legal requirements <p>Any other appropriate response.</p>		3
<p>9</p> <p>Explain the purpose of the General Dental Council.</p>	<p>Maximum two marks available for only stating the purpose without explanation. To gain full marks candidates must identify purposes and provide expansion.</p> <ul style="list-style-type: none"> • Setting standards and principles for the dental team – Setting out standards, conduct, performance and ethics that govern the dental team (1) this ensures everyone is working to an agreed minimum quality standard. (1) • Sets out skills and knowledge each registrant group should have (1) this is to ensure dental practice is carried out safely /effectively (1) in the best interests of the patient (1). • Fitness to practice – A power given by parliament to act upon concerns of fitness to practice (1), this allows the General Dental Council to remove registrants from the register / restrict practice within their role to protect the public (1). 		4

	<ul style="list-style-type: none"> • Duty of candour – A statement provided to all healthcare professionals (1) to ensure everyone is open and honest with patients (1) • Maintain quality assurance for education providers – by carrying out inspections (1) and feedback for improvements (1) 		
<p>10</p> <p>A dental nurse is carrying out reception duties.</p> <p>a) State three considerations to take into account when handling patients' personal details.</p> <p>b) State two considerations to take into account when upholding the Equality Act 2010.</p>	<p>a) One mark for each of the following points to a maximum of three marks:</p> <ul style="list-style-type: none"> • Confidentiality/Data protection act • Organisational policy • Practice's reputation <p>Any other appropriate response.</p> <p>b) One mark for each of the following points to a maximum of two marks:</p> <ul style="list-style-type: none"> • Being non-judgmental • Maintaining professionalism • Knowing the protected characteristics <p>Any other appropriate response.</p>		5
<p>11</p> <p>Label each of the following points on the below diagram of the salivary glands.</p> 	<p>One mark to be awarded for each labelled correctly to a maximum of three marks:</p> <p>1 - Parotid gland 2 - Submandibular gland 3 - Sublingual gland</p>		3
<p>12</p> <p>State four functions of the tongue.</p>	<p>One mark for each of the following points to a maximum of four marks:</p> <ul style="list-style-type: none"> • Taste • Speech 		4

	<ul style="list-style-type: none"> • Breathing • Swallowing • Aids chewing • Oral cleansing. 		
<p>13</p> <p>Describe how the mandible moves.</p>	<p>One mark for each of the following points to a maximum of two marks</p> <ul style="list-style-type: none"> • The mandible is able to move/slide as a hinge joint to allow the mouth to open, close and slide • Muscles of mastication enables the jaw to open, close and slide. 		2
<p>14</p> <p>Name three types of fixed prosthesis.</p>	<p>One mark for each of the following points to a maximum of three marks</p> <ul style="list-style-type: none"> • Inlay • Crown • Bridge • Veneer • Implant 		3
<p>15</p> <p>a) Explain how a mouth mirror can be used during a composite treatment.</p> <p>b) List three other instruments used during a composite filling treatment. (3 marks)</p>	<p>a) One mark for each of the following points to a maximum of three marks:</p> <p>A mouth mirror reflects light into the cavity/ on to the tooth (1) which allows the dentist to have a full view of the tooth (1) to highlight caries (1). It can also retract the soft tissues (1) so they are protected during the procedure (1).</p> <p>b) One mark for each of the following points to a maximum of three marks</p> <ul style="list-style-type: none"> • Probe • Plugger • Flat plastic • Excavator • Tweezers • Ball-ended burnisher • 3 in 1 		6
<p>16</p> <p>A dental nurse is covering a busy reception area. William, an 18-year-old patient, is at the reception desk following a tooth extraction. He is holding a</p>	<p>Band 0: 0 marks No marks awarded</p> <p>Band 1: 1-3 marks Basic response with minimal considerations listed and little or no justification for how to respond. Limited</p>	<p>Indicative content Regarding gauze/treatment:</p> <ul style="list-style-type: none"> • The patient has removed the gauze from his extraction site – Should be returned to the 	9

<p>blood filled gauze in his hand which was used as part of his treatment. He tells the dental nurse he is not sure how much he needs to pay.</p> <p>Discuss how the dental nurse should respond to this situation.</p>	<p>breadth of knowledge and depth of understanding on the cross infection preventative measures and risks. Candidate provides a basic analysis of NHS and Private costing with very limited, or no reference to exemptions. Discussion is not well developed or balanced.</p> <p>To access higher marks in the band, the response will contain some relevant considerations with limited reasoning.</p> <p>Band 2: 4-6 marks Response includes a variety of considerations explained with some justification for how to respond. Response includes adequate breadth of knowledge and some depth of understanding of cross infection and the potential risks as well as related legislation. Candidate provides a reasonable analysis of legislations and general dental council principles as well as a reasonable justification of NHS/PVT charges. Discussion is clear and detailed in some areas, but not all.</p> <p>To access higher marks in the band, the response will be structured well with mostly detailed considerations that are supported with justifications. The response will include reference to ensuring the patients safety and possible diseases caused by cross infection.</p> <p>Band 3: 7-9 marks Comprehensive response with a variety of considerations mostly explained with justification for putting the patient's interest and needs. Response includes detailed breadth of knowledge and depth of understanding on cross infection preventative measures and risks it may pose to others as well as related legislation. Candidate provides a well-developed analysis of the NHS banding and Private charges with reference to NHS exemptions and exemption criteria. Discussion is well developed and balanced.</p>	<p>surgery for the extraction site to be investigated to ensure the patient is still fit to leave to ensure patient care/needs are made priority</p> <ul style="list-style-type: none"> • The potential risk of cross-infection in a non-clinical area with non-clinical staff as well as patient at risk of cross-infection. • Use of universal precautions – PPE should be worn with the gauze disposed of in the clinical waste in the surgery. • Legislation including Health and safety at work act/ environmental protection act/ special waste act • General dental council standards/principles – Put patient's interest first, raise concerns if a patient is at risk. • Potential pathogenic micro-organisms and the diseases they may cause – Hep b/ HIV etc • Mode and method of transmission – Direct • Safe disposal of clinical waste – yellow clinical waste bag <p>Regarding payment:</p> <ul style="list-style-type: none"> • NHS – Band 2 : Current costing, what band 2 includes: examination, radiographs, amalgam filling material, scale and polish • Exemptions: To communicate with the patient if they are exempt: university students, income 	
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	<p>To access higher marks in the band, the response will include considerations and decisions that are fully justified and laid out in a structured and logical way. The response will include the related general dental council principles.</p>	<p>support, job seekers allowance, tax credits</p> <ul style="list-style-type: none">• The possibility William could be a private paying patient – No banding payment per treatment or have a private insurance plan	
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