

Model Curriculum

Dental Assistant

SECTOR: HEALTHCARE
SUB-SECTOR: ALLIED HEALTH & PARAMEDICS
OCCUPATION: DENTAL ASSISTANT
REF ID: HSS/Q2401, version 1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HEALTHCARE SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: '**Dental Assistant**' QP No. '**HSS/Q 24.01 NSQF Level 4**'

Date of Issuance: July 30th, 2016

Valid up to: July 29th, 2017

* Valid up to the next review date of the Qualification Pack


Authorised Signatory
(Healthcare Sector Skill Council)

TABLE OF CONTENTS

1. Curriculum	01
2. Annexure 1: Trainer Prerequisites	23
3. Annexure 2: Assessment Criteria	24

Dental Assistant

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Dental Assistant”, in the “Healthcare” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Dental Assistant		
Qualification Pack Name & Reference ID. ID	HSS/Q2401, version 1.0		
Version No.	1.0	Version Update Date	10 – 11 – 2016
Pre-requisites to Training	Class XII		
Training Outcomes	<ul style="list-style-type: none"> • Demonstrate the role of the dental assistant within a variety of dental settings • Demonstrate how to prepare and maintain the clinical environment for a range of clinical procedures • Demonstrate the recording of information presented to them by a dental clinician relating to the patients dental and oral tissues • Discuss how to maintain patient confidentiality and patient data protection • Demonstrate how to maintain health and safety for self, members of the dental team, patients and visitors • Demonstrate professionalism and acting within own field of competence • Demonstrate how to maintain cross infection control • Demonstrate how to mix materials and medicaments to support treatment • Demonstrate support the clinician during treatment • Demonstrate how to provide basic life support and support the dental team during a medical emergency • Demonstrate the preparation of equipment and materials for dental radiography • Demonstrate how to process dental films • Demonstrate how to maintain accurate detailed records • Demonstrate how to refer to other healthcare providers • Discuss with patients methods to improve oral health • Demonstrate support for and continual monitoring of the patient • Demonstrate how to make appointments and maintain dental schedules • Demonstrate the ability to perform clinical skills • Demonstrate professional behavior, personal qualities and characteristics of a Dental Assistant • Demonstrate good body mechanics and position patients to prevent complications. 		

	<ul style="list-style-type: none">• Demonstrate good communication, communicate accurately and appropriately in the role of a Dental Assistant and demonstrate professional appearance and demeanor• Practice infection control measures
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This course encompasses 16 out of 16 National Occupational Standards (NOS) of “Dental Assistant” Qualification Pack issued by “Healthcare Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction to Healthcare Systems & Dental Services</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code Introduction</p>	<ul style="list-style-type: none"> Basic Understanding of Healthcare Service Providers (primary, secondary & tertiary) Basic Understanding of Hospital Functions Basic Understanding of Dental Set-ups and Dental facilities Understanding of Dental Facilities at different level (National / State / District) Explain the role of the dental team to include; Dentists Dental Assistants Dento-oral Hygienists Dental Therapists Dental Technicians Others 	Visit to Dental Clinic
2	<p>Role of the Dental Assistant</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 01:00</p> <p>Corresponding NOS Code Introduction</p>	<ul style="list-style-type: none"> To develop understanding of Dental Equipment, Procedures and documentation To exhibit Ethical Behaviour Explain the general standards relating to dental assistants Explain the professional standards relating to dental assistants Explain the range of duties performed by a dental assistant Explain the additional skills that a dental assistant could do with experience 	E-modules to learn Dental Assistant roles
3	<p>Dental & Oral Anatomy and Physiology</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> Understand Anatomy & Histology of the Gingiva Understand Basic Oral Hygiene Understand Dental Anatomy Understand Basic Oro-Facial Physiology Describe the muscles of mastication Describe the muscles of facial expression Describe the maxilla Describe the main salivary glands Detail the morphology relating to the deciduous and permanent dentition Describe the anatomy of the Mandible Describe the anatomy of the tongue 	Models, charts and diagrams of Dento-oral Facial Anatomy and Physiology and oral Hygiene
4	<p>Basic Sensitization to Oral Pathology</p>	<ul style="list-style-type: none"> Describe the clinical picture of gingivitis 	Models, charts, e-modules and

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> Describe the clinical picture of periodontitis Describe the clinical picture of dental caries. Describe the clinical picture of dental fractures Describe the clinical picture of oral ulcers Describe the common and uncommon signs and symptoms with which patient visit a dentist. Describe the common investigations undertaken in dental clinic before, during or after any dental treatment/ procedure. 	<p>diagrams of Oral pathology and investigations</p>
5	<p>Introduction to Dental and Oral related Medical Terminology</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 05:00</p> <p>Corresponding NOS Code HSS/ N 2401, HSS/ N 2402, HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> Understand appropriate use of Dentistry related medical terminology in daily activities with colleagues, patients and family 	<p>E modules and internet use to learn medical terms</p>
6	<p>Dental Office Management</p> <p>Theory Duration (hh:mm) 20:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HSS/N2401</p>	<ul style="list-style-type: none"> Complete dental records and charts to support treatment planning Describe the various teeth, tooth surfaces and notations which support charts of the dentition Explain the difference between a basic periodontal examination and a full periodontal assessment Explain the requirements of a patients personal record to include the requirements of a medical history Schedule dental appointments Describe the time requirement and allocation for a variety of dental procedures and the rationale for selecting the appointment slot 	<p>Mock Dental office set-up</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> File patients records Explain the systems which are in place to accurately, safely and securely store data relating to patients Comply with legislation, data protection and patient confidentiality while scheduling dental appointments and filing patient data 	
7	<p>Professional Behavior in Dental Setting</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code HSS/N/9603 & HSS / N / 9607</p>	<ul style="list-style-type: none"> How to maintain restful environment Learn General and Specific etiquettes to be observed on duty Understand need for compliance of organizational hierarchy and reporting Understand the legal and ethical issues Understand importance of conservation of resources in Dental Set-ups. Explain your boundaries, roles and responsibilities as a dental assistant Describe how you have used relevant research based protocols and guidelines as evidence to inform one's practice Explain how you have promoted and demonstrated good practice as an individual and as a team member and the reason for doing this. Describe the risks to quality and safety if you do not keep up to date with best practice Describe how you have managed potential risks to the quality and safety of practice Explain how you have evaluated and reflected on the quality of your work and made continual improvements Explain the reasons for working within the limits of your own competence and authority and the risks to quality and safety if you work outside your boundaries and competence Give examples of how you have received direct and indirect supervision during your training State the guidelines and protocols which impact on your work as a dental assistant List the relevant legislation, standards policies and procedures followed by 	Use of internet to adopt best practises across the world for professional etiquettes

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>your dental practice</p> <ul style="list-style-type: none"> • Examples of how you have worked autonomously • Explain how you have ensured the efficient function of medical equipment to reduce the risk to patient health and safety • Explain how you have evaluated the risks to quality and health and safety arising from; poor communication; insufficient support and lack of resources • Explain the importance of individuals or team compliance with legislation, protocols and guidelines and organisational systems and requirements • Explain how you would report and minimise risk • Explain the principles of meeting the organisations needs and how this has helped you to recognise your limitations. • Explain when you should seek support from others • Explain the procedures within your workplace for accessing training, learning and development needs for you and others within the organisation • Explain the actions you should take to ensure you have a current, clear and accurate understanding of your roles and responsibilities and how this can be maintained to affects the way in which you work as an individual or as part of a team 	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
8	<p>Patient's Rights & Responsibilities</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code HSS / N / 9605</p>	<ul style="list-style-type: none"> Understand sensitivities involved in patient's right Learn Dental Assistant's role in maintaining patient's rights 	internet use to learn patient rights
9	<p>Patient's Environment in Dental Setting</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code HSS / N / 9606</p>	<ul style="list-style-type: none"> Describe things necessary to make the patient feel safe and comfortable while collection Describe impact of comfort on patients health Describe importance and methodology of cleanliness, and hygiene environment in dental set-up Describe variation of patients environment according to settings: Hospital & Clinic 	Mock environment of dental set-up
10	<p>Dental Materials, Implants and Instruments</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 05:00</p> <p>Corresponding NOS Code HSS/N 2402, HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> Alginate Impression and Diagnostic Study Model Techniques Dental Implants: A Comprehensive Review Dental Implants and Esthetics Factors Affecting Implant Loss Maintenance of Dental Implants Full Coverage Aesthetic Restoration of Primary Teeth, Part 1 – Anterior Teeth Fundamentals of Dentifrice: Oral Health Benefits in a Tube Impression Making for Implant Retained Restorations Making Occlusal Records Consistent and Predictable Prosthesis Retention and Effective Use of Denture Adhesive in Complete Denture Therapy 	All Dental Materials, Implants and Instruments

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>topical anaesthetic</p> <ul style="list-style-type: none"> Assist with shade taking Assist with the application of rubber dam Assist with the application of application of dental matrices Assist with the application of a range of routine restorations Describe Blacks classification of cavities Explain cavity design Explain the standard requirements for cavity preparation Explain the materials used to line restorations Explain the types of filling materials for anterior and posterior routine restorations Assist with the cementing temporary crowns State the instruments, materials and medicaments required 	<p>Mixing spatulas Dispensing wells Glass dappens dish Flat plastic Metal amalgam carrier Plugger Carver Ball burnisher Amalgam well Shade guide Composite material Composite gun Curing light Composite polishing finishing strip Articulation paper Wedges Tofflemire matrix</p>
13	<p>Infection control and prevention</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 05:00</p> <p>Corresponding NOS Code HSS/N 9610</p>	<ul style="list-style-type: none"> Understanding of Adjunctive and Prophylactic Use of Antibacterial Agents in Dentistry Understanding of Administrative Controls and Work Restrictions Understanding of Clinical Practice Guidelines for an Infection Control/Exposure Control Program in the Oral Healthcare Setting Understanding of Guidelines for Infection Control in Dental Health-Care Settings Understanding of Hand Hygiene: Infection Control/Exposure Control Issues for Oral Healthcare Workers Understanding of Hazard Communications & Hazardous Waste Regulations for Dental Offices Understand hospital borne infections Understanding of Hepatitis: Infection Control/Exposure Control Issues for Oral Healthcare Workers Understanding of HIV: Infection Control/Exposure Control Issues for Oral Healthcare Workers Understanding of HSV and VZV: Infection Control/Exposure Control Issues for Oral Healthcare Workers Understanding of Influenza Facts and 	<p>Hand sanitizers, PPE, Hand washing techniques, steriliser, disinfectants, policies and procedures for infection control</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
17	<p>Assistance in Operative Dentistry</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HSS/ N 2405</p>	<ul style="list-style-type: none"> Assist with application of topical and local anaesthetic Discuss the reasons for and types of topical anaesthetic Discuss the different types and functions of local anaesthetic to include adrenaline and non adrenaline State the different types of local anaesthetic syringes and explain their function Explain the need for different needles or the administration of local and regional block anaesthesia Assist with minor oral surgical procedures State the range of minor oral surgical procedures that can be performed in the dental environment Discuss the methods available to remove erupted and un-erupted teeth Explain the function of instruments and equipment for the purpose of minor oral surgery Discuss the advice you would give to a patient prior to and following a minor oral surgical procedure Explain the role of the dental assistant in dealing with post extraction haemorrhage State the different forms of periodontal surgery and list the instruments, equipment and medicaments required for periodontal surgery Explain the instruction to be provided to a patient following periodontal surgery Assist with the removal of sutures Explain the different types of sutures to support wound healing following oral injury or surgery State and explain the function of the range of instruments, equipment and medicaments required to remove sutures Apply understanding of the anatomy associated with operative procedures Discuss the nerve supply to the maxillary teeth, soft tissues and hard and soft palate Discuss the nerve supply to the 	<p>Dental Chair Spittoon High and low volume aspiration Drugs box containing Salbutamol; Glycerol Trinitrate; Glucagon and Adrenaline Domestic waste container Oxygen cylinder and ambubag Mask Safety glasses Gloves assorted sizes Sterilisation pouches Autoclave Bottle brushes Bur brushes Assistina (Oil handpieces) Self – aspirating syringe Disposable syringe Assorted disposable needles Local anesthetic cartridges Topical anesthetic Towel clip Kilner cheek retractor Austin retractor Bowdler rake retractor Minnesota retractor Periosteal elevator Scalpel handle and blade Mitchells trimmer Surgical curette Surgical scissors Bone rongeurs Bone file Surgical suction tips Mosquito artery forceps Mayo needle holders Tissue dissecting forceps</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>mandibular teeth, soft tissues and tongue</p> <ul style="list-style-type: none"> Revision of comply with legislation, data protection and patient confidentiality 	<p>Sutures Suture scissors Kidney dish Bib Periosteal elevator Spoon excavator Warwick James Couplands chisel Luxator Cryer Bayonet Upper right extraction forceps Upper left extraction forceps Maxillary root extraction forceps Premolar extraction forceps Straight forceps Cowhorn extraction forceps</p>
18	<p>Assistance in Clinical Dentistry- Endodontic Procedures</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HSS/ N 2406</p>	<ul style="list-style-type: none"> Assist with application of topical and local anaesthetic Assist with the application of rubber dam during endodontic procedures Assist with non-surgical endodontic procedures Explain the range of non-surgical endodontic procedures Discuss the instruments, equipment, medicaments and materials for the treatment of pulpitis Discuss the instruments, equipment, medicaments and materials for the treatment of pulp capping Discuss the instruments, equipment, medicaments and materials for the treatment of pulpotomy Discuss the instruments, equipment, medicaments and materials for the treatment of pulpectomy Support the patient during non surgical endodontic procedures Explain how to support a patient in the event of syncope Explain the methods and reasons for retracting soft tissues during endodontic treatment Explain the reasons for high volume aspiration during endodontic 	<p>Root canal explorer probe Barbed broaches Gates Glidden (assorted) Reamer (assorted) K files (assorted) Titanium rotary instruments (assorted) Irrigating syringe Spiral filler pate filler (assorted) Finger spreader (assorted) Endodontic plugger Paper points (assorted) Gutta Endodontic ring Gutta percha points (assorted) Mouth mirror Sickle probe High and low volume suction tips Instruments for local anaesthetic Conventional handpiece</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>procedures</p> <ul style="list-style-type: none"> Revision of comply with legislation, data protection and patient confidentiality 	<p>Assorted burs Endodontic probe Barbed broaches Gates Glidden K Files Finger spreader Paper points Gutta percha points Plugger Sealing materials Calcium hydroxide Temporary filling materials</p>
19	<p>Assistance in Clinical Dentistry- Prosthodontic Procedures</p> <p>Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 25:00</p> <p>Corresponding NOS Code HSS/ N 2407</p>	<ul style="list-style-type: none"> Work with fixed and removable prosthodontic components Explain the types of removable prosthodontic components to include partial dentures; complete dentures; immediate dentures; over dentures and obturators Explain the types of fixed prosthodontic components to include crowns; bridges; veneers; implants; inlays and onlays Explain the reasons for providing patients with removable prosthetic appliances Discuss the factors which should be considered prior to providing patients with removable prosthetic appliances Work with removable prosthetic components Discuss the range of removable prosthodontic components to include partial dentures; complete dentures; immediate dentures; over dentures and obturators Work with fixed prosthetic components Discuss the range of fixed prosthodontic components to include partial dentures; complete dentures; immediate dentures; over dentures and obturators Apply skills to support crown and bridge work and the application of veneers and inlays Discuss the materials which support 	<p>Impression trays assorted Special trays</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>crown and bridge work</p> <ul style="list-style-type: none"> • Explain the stages in crown and bridge preparation • Discuss the role of the dental assistant during crown and bridge fitting • Discuss the materials available to cement crowns, bridges and inlays • Explain the stages in veneer preparation and fitting • Apply skills during denture construction • Explain the stages involved in denture construction • Discuss the instruments, equipment and materials involved in all stages of denture construction • Application of anatomy associated with prosthodontic treatment • Revision of comply with legislation, data protection and patient confidentiality 	
20	<p>Basic Sensitization on Dental Pharmacology</p> <p>Theory Duration (hh:mm) 02:00</p> <p>Practical Duration (hh:mm) 03:00</p> <p>Corresponding NOS Code HSS/ N 2402, HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> • Understanding of Adjunctive and Prophylactic Use of Antibacterial Agents in Dentistry • Understanding of Commonly Prescribed Medications in Dentistry • Understanding of Effective Nitrous Oxide/Oxygen Administration in paediatric dentistry • Understanding of Local Anesthesia in Today's Dental Practice • Understanding of Methamphetamine: Implications for the Dental Team • Understanding of Nitrous Oxide and Oxygen Sedation • Understanding of Oral Anticoagulants and its use in Dental Procedures • Understanding of Pharmacology of Analgesics: Clinical Considerations • Understanding of Pharmacology of Local Anesthetics: Clinical Implications • Understanding of Sedation in the Dental Office: An Overview • Understanding of The Oral Implications of Chemical Dependency & Substance Abuse 	<p>Basic medication kit of dentistry</p> <p>Drugs box containing Salbutamol; Glycerol Trinitrate; Glucagon and Adrenaline</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
21	<p>Basic Sensitization on Dental Radiology</p> <p>Theory Duration (hh:mm) 02:00</p> <p>Practical Duration (hh:mm) 03:00</p> <p>Corresponding NOS Code HSS/ N 2402, HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> • Understanding Digital Radiography in Dentistry: Moving from Film-based to Digital Imaging • Understanding Digital Imaging Techniques and Error Correction • Understanding Intraoral Radiographic Techniques • Understanding Intraoral Radiography: Principles, Techniques and Error Correction • Understanding Osteoporosis: Prevention, Management, and Screening Using Dental Radiographs • Understanding Practical Panoramic Radiography • Understanding Radiation Biology, Safety and Protection for Today's Dental Team • Understanding Radiographic Techniques for the Pediatric Patient 	<p>Intra-oral X-ray machine</p> <p>Lead apron</p> <p>Assorted Intra oral X-ray films</p> <p>Assorted Extra oral films</p> <p>X-ray film holders</p> <p>Assorted X-ray barriers</p> <p>Manual developing</p> <p>Self developing</p> <p>X-ray viewer</p> <p>Fixer</p> <p>X-ray envelope</p>
22	<p>Assistance in Clinical Dentistry- Periodontal Procedures</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 25:00</p> <p>Corresponding NOS Code HSS/ N 2408</p>	<ul style="list-style-type: none"> • Periodontal screening and periodontal treatment • Describe the instrument used to carry out a basic periodontal examination of the periodontium • Describe the scoring following a basic examination of the periodontium as it relates to health status of the periodontium • Describe the scoring following a basic periodontal examination as it relates to treatment planning • Describe the probes used to support a full periodontal screening to include true and false pockets; gingival recession and furcation involvement • Discuss how to record information on a periodontal chart • Describe the supra and subgingival hand instruments required to remove supra and subgingival calculus • State the advantages and disadvantages of using an ultra sonic scaler to remove plaque and calculus • Explain the complications which may occur following periodontal therapy • Apply understanding and skills to establish the role of plaque and calculus in relation to periodontal disease Discuss the chemical composition, development and the 	<p>Williams probe</p> <p>BPE/CPITN probe</p> <p>Furcation probe</p> <p>Jucquette scalar</p> <p>Push scaler</p> <p>Sickle scaler</p> <p>Periodontal hoes</p> <p>Universal curette</p> <p>Gray curette</p> <p>Ultrasonic scaler</p> <p>Sharpening stone</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>role of plaque in relation to periodontal disease</p> <ul style="list-style-type: none"> • Discuss the chemical composition, development and the role of calculus in relation to periodontal disease • Discuss the prevention of periodontal disease to include the use of disclosing tablets; tooth brushing and the use of interdental aids • Explain the methods to prevent periodontal disease to include the use of disclosing tablets , tooth brushing and interdental aids Application of anatomy associated with periodontal treatment • Revision of comply with legislation, data protection and patient confidentiality 	
23	<p>Assistance in Clinical Dentistry- Orthodontic Procedures</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 25:00</p> <p>Corresponding NOS Code HSS/ N 2409</p>	<ul style="list-style-type: none"> • Describe the reasons for orthodontic therapy • Explain the following orthodontic classifications 1 11 Div 1 and 11 Div2 and 111 • Apply understanding of the anatomy associated with orthodontics • Discuss the range of medicaments and materials which support the application of fixed orthodontic appliances • Explain the range of equipment and materials for fixed orthodontic bond up to include bands, arch wires, brackets and bands • Describe the instruments and equipment used to adjust fixed orthodontic appliances • Describe the instruments, equipment and medicaments used to place orthodontic separators • Describe the instruments, equipment and medicaments used for a de-bond • Describe the instruments, equipment and medicaments used to fit a removable orthodontic appliance • Clinical application of orthodontic appliances • Explain what is involved in orthodontic treatment planning • Explain the components of and function of the components of a removable orthodontic appliance 	<p>Removable orthodontic appliance</p> <p>Fixed orthodontic appliance</p> <p>Elastic separators assorted</p> <p>Orthodontic bands assorted</p> <p>Metal orthodontic bracket assorted</p> <p>Orthodontic archwires assorted</p> <p>Ligatures assorted</p> <p>Mosquito forceps</p> <p>Cheek retractors</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> • Explain the appointment stages involved in removable orthodontic treatment • Explain the appointment stages involved in fixed orthodontic treatment • Risks and benefits of orthodontic treatment • Revision of comply with legislation, data protection and patient confidentiality 	
24	<p>Care of Vulnerable Patients</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 05:00</p> <p>Corresponding NOS Code HSS/N 2401</p>	<ul style="list-style-type: none"> • Understanding Dental Management of Patients with Bleeding Disorders • Understanding Diabetes: A Multifaceted Syndrome Treatment Considerations in Dentistry • Understanding Hypertension: Risk Stratification and Patient Management in Oral Healthcare Settings • Understanding Management of Medical Emergencies in the Dental Office • Understanding Management of Pediatric Medical Emergencies in the Dental Office • Understanding Management of Traumatic Injuries to Children's Teeth • Understanding Oral Anticoagulants and Dental Procedures • Understanding Sedation in the Dental Office: An Overview • Understanding Sports-Related Dental Injuries and Sports Dentistry • Understanding The Patient with Hypertension in the Dental Office • Understanding Asthma Patients in the Dental Office 	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
25	<p>Disinfection, Cleaning and preventive maintenance of Dental equipment, materials and implants</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 05:00</p> <p>Corresponding NOS Code HSS/ N 2402</p>	<ul style="list-style-type: none"> Understanding of different disinfectant agents used for various Dental equipment, materials and implants 	<p>Hand washing sink Instrument cleaning sink Autoclave Personal protective equipment; gloves; masks; heavy duty gloves; long handled brush; bib Instrument storage unit Sharps container Special waste container Domestic waste container Contaminated waste bin Low volume suction High volume suction Cotton wool rolls Cotton pellets 3-1 syringe (reusable)</p>
26	<p>Basic Sensitization to Advanced functions and Dental specialties</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code HSS/ N 2401</p>	<ul style="list-style-type: none"> Basic sensitization of dental specialties like oral public health, pediatric, geriatric, oral and maxilla-facial, endodontics, orthodontics, periodontics, prosthodontics, etc. Basic sensitization of advanced equipment and technology used for dental practices. Basic Sensitization on regulatory guidelines set time to time regarding dentistry, radiography, pharmacology, etc. 	<p>E-module to learn and search tools</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
27	<p>Basic Computer Knowledge</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 15:00</p> <p>Corresponding NOS Code HSS/ N 2401, HSS/ N 2402, HSS/ N 2403, HSS/ N 2404, HSS/ N 2405, HSS/ N 2406, HSS/ N 2407, HSS/ N 2408, HSS/ N 2409</p>	<ul style="list-style-type: none"> To gain broad understanding about Application of computers in laboratory Practice Introduction to Computers: Block diagram Input and Output devices Storage devices Introduction to operating systems Need of Operating systems (OS) Function of OS Windows 2000 – Utilities and basic operations Microsoft office 2000 – MS Word, MS Excel 	Computer with internet facility
28	<p>Soft Skills and Communications</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 15:00</p> <p>Corresponding NOS Code HSS/ N 2401, HSS / N/9603, HSS/N/9604, HSS/N/9605 & HSS/N/9607</p>	<ul style="list-style-type: none"> Understand Art of Effective Communication Able to handle effective Communication with Patients & Family Able to handle effective Communication with Peers/ colleagues using medical terminology in communication Discuss the methods of verbal and non-verbal communication a dental assistant would employ within a dental practice Learn basic reading and writing skills Learn sentence formation Learn grammar and composition Learn how to enhance vocabulary Learn Goal setting, team building, team work, time management, thinking and reasoning & communicating with others Learn problem solving Understand need for customer service and service excellence in Medical service Understand work ethics in hospital set up Learn objection handling Learn Telephone and Email etiquettes Learn Basic computer working like feeding the data, saving the data and 	Self-learning and understanding

tissue			
PC6 Assist in flossing the rubber dam and tuck it between each isolated tooth	5	0	5
PC7 Efficiently and smoothly transfer instruments, equipment and materials	30	0	30
PC 8 Assist in exposing, processing and mounting radiographs that are clear of exposure and contain appropriate teeth and anatomy	20	0	20
PC9 Assist in performing procedures to thoroughly clean the mouth to ensure that it is free of saliva, blood, water and debris	5	0	5
PC10 Assist in placing temporary filling, ensuring that the temporary site is cleaned, dried and isolated properly as per the guidelines	30	0	30
PC 11 Assist in ensuring that temporary material is accurately placed and adapted into the cavity/preparation	5	0	5
PC12 Assist in ensuring that temporary filling is free of excess material	5	0	5
PC13 Assist in controlling all bleeding	5	0	5
PC14 Provide all prescriptions and patient items to the patient	5	0	5
PC 15 Clearly and accurately instruct the patient on follow-up procedures	5	0	5
PC16 Assist in ensuring timely implementation of appropriate procedures	5	0	5
PC17 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority	5	5	0
PC18 Establish trust and rapport with colleagues	5	0	5
PC19 Promote and demonstrate good practice as an individual and as a team member at all times	5	0	5
PC20 Identify and manage potential and actual risks to the quality and safety of practice	35	0	35

	patient on follow-up procedures				
	PC16 Assist in ensuring timely implementation of appropriate procedures		6	0	6
	PC17 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority		25	25	0
	PC18 Establish trust and rapport with colleagues		6	0	6
	PC19 Promote and demonstrate good practice as an individual and as a team member at all times		6	0	6
	PC20 Identify and manage potential and actual risks to the quality and safety of practice		40	10	30
	PC 21 Evaluate and reflect on the quality of one's work and make continuing improvements		8	8	0
	Total		200	48	152
8. HSS/ N 2408 (Assist with Periodontal Dental Procedures)	PC1 Assist in accurately implementing appropriate, safe and effective local anaesthetic agents as per the dental anaesthesia standards	200	10	0	10
	PC2 Assist in appropriately and effectively managing the suspected or known local		10	10	0
	PC 3 Assist in properly preparing wound site and dressing material, and carefully place dressing covering entire wound site		10	0	10
	PC 4 Assist in properly adapting the dressing to the teeth and adjacent soft tissues for appropriate coverage and maximum retention without occlusal interference		10	0	10
	PC5 Efficiently and smoothly transfer instruments, equipment and materials		10	0	10
	PC6 Assist in performing procedures to thoroughly clean the mouth to ensure that it is free of saliva, blood, water and debris		10	0	10
	PC7 Assist in providing all prescriptions and patient items to the patient		10	0	10
	PC8 Clearly and accurately instruct the patient on follow-up procedures		10	0	10
	PC9 Assist in ensuring timely implementation of appropriate procedures		20	0	20

	PC 10 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority		20	20	0
	PC11 Establish trust and rapport with colleagues		10	0	10
	PC1 2 Promote and demonstrate good practice as an individual and as a team member at all times		10	0	10
	PC13 Identify and manage potential and actual risks to the quality and safety of practice		40	0	40
	PC14 Evaluate and reflect on the quality of one's work and make continuing improvements		20	20	0
	Total		200	50	150
9. HSS/ N 2409 (Assist with Orthodontic Procedures)	PC 1 Assist in appropriately fitting and removing orthodontic equipment, bands and brackets as per the guidelines	200	30	10	20
	PC2 Assist in applying direct and indirect bracket bonding material, using proper isolation techniques		15	0	15
	PC3 Assist in properly placing and bonding orthodontic bands and brackets		15	0	15
	PC4 Assist in appropriately placing, bonding and removing orthodontic equipment		30	10	20
	PC5 Efficiently and smoothly transfer instruments, equipment and materials		15	0	15
	PC6 Assist in performing procedures to thoroughly clean the mouth to ensure that it is free of saliva, blood, water and debris		5	0	5
	PC 7 Assist in providing all prescriptions and patient items to the patient		5	0	5
	PC8 Clearly and accurately instruct the patient on follow-up procedures		5	0	5
	PC9 Assist in ensuring timely implementation of appropriate procedures		30	10	20
	PC10 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority		5	5	0
	PC11 Establish trust and rapport with colleagues		5	0	5

	PC28. Decontaminate equipment requiring special processing in accordance with quality management systems to ensure full compliance with cleaning, disinfection and sterilisation protocols		5	0	5
	PC29. Dry all work surfaces before and after use		5	0	5
	PC30. Replace surface covers where applicable		5	0	5
	PC31. Maintain and store cleaning equipment		5	5	0
	Total		200	55	145
Grand Total-1 (Subject Domain)			400		
Soft Skills and Communication		Pick one field from both parts each carrying 50 marks totaling 100			
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (100)	Out Of	Marks Allocation	
				Viva	Observation/ Role Play
Part 1 (Pick one field randomly carrying 50 marks)					
1. Attitude					
HSS/ N 9603 (Act within the limits of one's competence and authority)	PC1. Adhere to legislation, protocols and guidelines relevant to one's role and field of practice	50	2	0	2
	PC2. Work within organisational systems and requirements as appropriate to one's role		2	0	2
	PC3. Recognise the boundary of one's role and responsibility and seek supervision when situations are beyond one's competence and authority		8	4	4
	PC4. Maintain competence within one's role and field of practice		2	0	2
	PC5. Use relevant research based protocols and guidelines as evidence to inform one's practice		4	2	2
	PC6. Promote and demonstrate good practice as an individual and as a team member at all times		4	2	2
	PC7. Identify and manage potential and actual risks to the quality and safety of practice		4	2	2
	PC8. Evaluate and reflect on the quality of one's work and make continuing improvements		4	2	2
		30	12	18	
HSS/ N 9607 (Practice Code of conduct)	PC1. Adhere to protocols and guidelines relevant to the role and field of practice	50	3	1	2

HSS/ N 9609 (Follow biomedical waste disposal protocols)	PC1. Follow the appropriate procedures, policies and protocols for the method of collection and containment level according to the waste type	50	6	2	4
	PC2. Apply appropriate health and safety measures and standard precautions for infection prevention and control and personal protective equipment relevant to the type and category of waste		8	4	4
	PC3. Segregate the waste material from work areas in line with current legislation and organisational requirements		4	0	4
	PC4. Segregation should happen at source with proper containment, by using different colour coded bins for different categories of waste		8	4	4
	PC5. Check the accuracy of the labelling that identifies the type and content of waste		4	2	2
	PC6. Confirm suitability of containers for any required course of action appropriate to the type of waste disposal		4	4	0
	PC7. Check the waste has undergone the required processes to make it safe for transport and disposal		4	4	0
	PC8. Transport the waste to the disposal site, taking into consideration its associated risks		4	4	0
	PC9. Report and deal with spillages and contamination in accordance with current legislation and procedures		4	4	0
	PC10. Maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols		4	4	0
			50	32	18
Grand Total-2 (Soft Skills and communication)		100			
Detailed Break Up of Marks		Theory			
Subject Domain		Select each NOS totaling 80			
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (80)	Marks Allocation		
			Theory		

	PC18 Promote and demonstrate good practice as an individual and as a teammember at all times		
	PC19 Identify and manage potential and actual risks to the quality and safety of practice		
	PC20 Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		4
3.HSS/ N 2403 (Assist with intra-oral Preventive Procedures)	PC1. Assist in performing the procedure to thoroughly rinse the mouth and floss teeth contacts to ensure that it is free of debris		
	PC2. Assist in ensuring that teeth are polished, free of plaque, glossy and uniformly reflect light		
	PC3. Assist in ensuring that soft tissue gingiva is free of trauma evidence		
	PC4 Assist in applying topical fluorides following the recommended application procedures of each fluoride agent		
	PC5 Assist in preparing the teeth and sealant material according to the dental		
	PC6 Assist in achieving thorough, even and appropriately coverage of all indicated pits and fissures		
	PC7 Assist in ensuring teeth are flossed and free of excess sealant material	8	8
	PC8 Assist in ensuring timely implementation of appropriate procedures		
	PC9 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority		
	PC10 Establish trust and rapport with colleagues		
	PC11 Maintain competence within one's role and field of practice		
	PC12 Promote and demonstrate good practice as an individual and as a team member at all times		
	PC13 Identify and manage potential and actual risks to the quality and safety of practice		
	PC14 Evaluate and reflect the quality of one's work		

	PC 8 Assist in exposing, processing and mounting radiographs that are clear of exposure and contain appropriate teeth and anatomy		
	PC9 Assist in performing procedures to thoroughly clean the mouth to ensure that it is free of saliva, blood, water and debris		
	PC10 Assist in placing temporary filling, ensuring that the temporary site is cleaned, dried and isolated properly as per the guidelines		
	PC 11 Assist in ensuring that temporary material is accurately placed and adapted into the cavity/preparation		
	PC12 Assist in ensuring that temporary filling is free of excess material		
	PC13 Assist in controlling all bleeding		
	PC14 Provide all prescriptions and patient items to the patient		
	PC 15 Clearly and accurately instruct the patient on follow-up procedures		
	PC16 Assist in ensuring timely implementation of appropriate procedures		
	PC17 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority		
	PC18 Establish trust and rapport with colleagues		
	PC19 Promote and demonstrate good practice as an individual and as a team member at all times		
	PC20 Identify and manage potential and actual risks to the quality and safety of practice		
	PC 21 Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		10
7.HSS/ N 24 07 (Assist with Prosthodontic Dental Procedures)	PC1 Assist in taking impressions that include all teeth present, surrounding tissues and appropriate landmark	12	12
	PC2 Assist in taking impressions that are free of		

	PC18 Establish trust and rapport with colleagues		
	PC19 Promote and demonstrate good practice as an individual and as a team member at all times		
	PC20 Identify and manage potential and actual risks to the quality and safety of practice		
	PC 21 Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		12
8. HSS/ N 2408 (Assist with Periodontal Dental Procedures)	PC1 Assist in accurately implementing appropriate, safe and effective local anaesthetic agents as per the dental anaesthesia standards		
	PC2 Assist in appropriately and effectively managing the suspected or known local		
	PC 3 Assist in properly preparing wound site and dressing material, and carefully place dressing covering entire wound site		
	PC 4 Assist in properly adapting the dressing to the teeth and adjacent soft tissues for appropriate coverage and maximum retention without occlusal interference		
	PC5 Efficiently and smoothly transfer instruments, equipment and materials		
	PC6 Assist in performing procedures to thoroughly clean the mouth to ensure that it is free of saliva, blood, water and debris	8	8
	PC7 Assist in providing all prescriptions and patient items to the patient		
	PC8 Clearly and accurately instruct the patient on follow-up procedures		
	PC9 Assist in ensuring timely implementation of appropriate procedures		
	PC 10 Recognise the boundary of one's role and responsibility and seek supervision from superior when situations are beyond one's competence and authority		
	PC11 Establish trust and rapport with colleagues		
	PC1 2 Promote and demonstrate good practice as an individual and as a team member at all times		

	Total		4
Grand Total-1 (Subject Domain)		80	80
Soft Skills and Communication		Select each part each carrying 10 marks totaling 20	
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (20)	Marks Allocation
			Theory
Part 1 (Pick one field randomly carrying 50 marks)			
1. Attitude			
HSS/ N 9603 (Act within the limits of one's competence and authority)	PC1. Adhere to legislation, protocols and guidelines relevant to one's role and field of practice	4	4
	PC2. Work within organisational systems and requirements as appropriate to one's role		
	PC3. Recognise the boundary of one's role and responsibility and seek supervision when situations are beyond one's competence and authority		
	PC4. Maintain competence within one's role and field of practice		
	PC5. Use relevant research based protocols and guidelines as evidence to inform one's practice		
	PC6. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC7. Identify and manage potential and actual risks to the quality and safety of practice		
	PC8. Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		
HSS/ N 9607 (Practice Code of conduct while performing duties)	PC1. Adhere to protocols and guidelines relevant to the role and field of practice	4	4
	PC2. Work within organisational systems and requirements as appropriate to the role		
	PC3. Recognise the boundary of the role and responsibility and seek supervision when situations are beyond the competence and authority		
	PC4. Maintain competence within the role and field		

	people		
	PC6. Reason out the failure to fulfil commitment		
	PC7. Identify any problems with team members and other people and take the initiative to solve these problems		
	PC8. Follow the organisation's policies and procedures		
	Total		2
2. Safety management			
HSS/ N 9606 (Maintain a safe, healthy, and secure working environment)	PC1. Identify individual responsibilities in relation to maintaining workplace health safety and security requirements		
	PC2. Comply with health, safety and security procedures for the workplace		
	PC3. Report any identified breaches in health, safety, and security procedures to the designated person		
	PC4. Identify potential hazards and breaches of safe work practices		
	PC5. Correct any hazards that individual can deal with safely, competently and within the limits of authority	4	4
	PC6. Promptly and accurately report the hazards that individual is not allowed to deal with, to the relevant person and warn other people who may get affected		
	PC7. Follow the organisation's emergency procedures promptly, calmly, and efficiently		
	PC8. Identify and recommend opportunities for improving health, safety, and security to the designated person		
	PC9. Complete any health and safety records legibly and accurately		
	Total		4
3. Waste Management			
HSS/ N 9609 (Follow biomedical waste disposal protocols)	PC1. Follow the appropriate procedures, policies and protocols for the method of collection and containment level according to the waste type	4	4

PC2. Apply appropriate health and safety measures and standard precautions for infection prevention and control and personal protective equipment relevant to the type and category of waste		
PC3. Segregate the waste material from work areas in line with current legislation and organisational requirements		
PC4. Segregation should happen at source with proper containment, by using different colour coded bins for different categories of waste		
PC5. Check the accuracy of the labelling that identifies the type and content of waste		
PC6. Confirm suitability of containers for any required course of action appropriate to the type of waste disposal		
PC7. Check the waste has undergone the required processes to make it safe for transport and disposal		
PC8. Transport the waste to the disposal site, taking into consideration its associated risks		
PC9. Report and deal with spillages and contamination in accordance with current legislation and procedures		
PC10. Maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols		
Total		4
Part 2 Total	10	10



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