

**REGULATIONS FOR DIPLOMA COURSE IN DENTAL OPERATING ROOM ASSISTANT
(DENTAL CHAIR SIDE ASSISTANT)**

INTRODUCTION:

A Dental Operating Room Assistant hereafter called as Operating room assistant is a person, not being a Dentist or Medical Practitioner; who assists the dental surgeon in the clinical practice under his direct supervision.

DUTIES

Duties consist of assisting the dental surgeon in chair side work by supplying instruments, handling various dental materials and medicines as required and managing the office; He/she shall be responsible for the up keep and maintenance of instruments, materials and minor equipments in the dental clinic. He/she shall be responsible for cleaning and sterilizing the instruments. He / She shall work under the supervision of the Dental Surgeon.

Duties of Operating room assistant in a dentist's office include clerical ones like scheduling appointments, keeping records, monitoring recalls, receiving payments, processing dental insurance forms, assisting patient billing, preparing the patient, ordering supplies, producing the relevant records at the chair side and maintaining statistics.

Chair-side duties , include handing the dentist the proper materials and tools, operating the suction, developing X-rays, preparing work station, instruments, and materials, escorting patients to the work station and mixing compounds for cleaning or filling teeth. They should be able to handle leading edge equipment and instruments.

Operating Room assistants may work in public health departments, clinics, hospitals, dental schools, and in private offices for one or more dentists.

ELIGIBILITY FOR ADMISSION:

Pass in plus two with biology as a subject from a recognized board/university or Equivalent Exam with a minimum of 50% marks in optional subjects under Science Faculty only such as PCB, PCMB, CBZ. However the minimum percentage or marks required can be relaxed to 40% --in case of SC / ST students.

AGE LIMIT:

The candidate should have attained minimum age of 17 years as on 31st December of the year of admission and medically fit. Upper age limit is 40 yrs for in service and for SC / ST candidates; while the upper age limit for others is 35 years.

DURATION OF THE COURSE:

Two years from the commencement of the term.

DRESS CODE

Male: Trousers (Pants)

Shirts (Full or half sleeves) (Tucked inside the trousers)

Shoes and socks

Over coat over normal attire

Women: Any attire within the bounds of decency and foot wear. Overcoat over the normal attire

The students have to wear sky blue overcoat during all class hours including theory and practical class

Syllabus for Dental Chair side Assistance Course

1. The minimum hours devoted to the under mentioned subjects shall be as follows

Primary examination

Sl. No.	Subject	Periods				
		L	LD	PD	P	Total
1.	Anatomy and Histology (General)	50	100			150
2.	Physiology & Biochemistry	30	40			70
3.	Pathology , Bacteriology	30	70			100
4.	Food and nutrition	10			16	26
5.	Basic Nursing Training	50	50	70	100	270
6.	Sterilization, disinfection and method of control of spread of diseases	16 32		16	16	80
7.	Bio-Medical waste management	03 12		03	04	22
8.	Basic computer training, including patient records and OPD management system	36 20		12	06	66
9.	Office Assistance, Practice	50		20	10	80
10.	Asphyxia	4		2	2	6
	Shock	4		2		8

			2			
11.	Basic life support CPR	8		2	2	12
	Grand total					892

FINAL examination

Sl. No.	Subject	Periods				Total
		L	LD	PD	P	
		14	4		3	21
1.	Oral Anatomy & Physiology					6
2.	Diseases of teeth and gums	4	2			34
3.	Pharmacology (Materia Medica)	5	9		20	53
4.	Dental Materials & Dental laboratory routine	28		25		56
		3	9	4	40	365
5.	Dental surgery routine	26	26	12	310	185
6	Surgical assistance in minor and major OT ,BTLS and equipment with maintenance	5	11	21	148	31
7	Dental equipment and stores	6	1	02	24	31
8	Dental Radiography	5	2	4	20	3
9.	Dental jurisprudence and ethics	3				121
10	Dental documentation and office procedures	10		6	105	67
11	Miscellaneous					973
	Grand total					

L- Lecturer LD – Lecture demonstrate PD – Practical demonstration P – Practical

- The classes in different subjects of the curriculum should be taught exclusively for this course
- There should be at least one instructor for every 10 students working in the clinic at any given time.
- There should be at least one instructor for every 20 students working in the technical laboratories at any given time.
- For teaching of dental subject, no persons except those holding dental qualifications shall be employed as instructors. For clinical and practical demonstrations persons holding recognized Dental Operating Room Assistant diploma shall be eligible.

6. The institution imparting training in this course must be in possession of the following minimum requirements

- i. Sufficient class rooms of which at least one must be equipped with an OHP for projection, a computer preferably with LCD.
- ii. Sufficient technical laboratories so that each student is provided with suitable facilities required for the course
- iii. A suitable professional library should be available to the students

7. Staff

Assistant Professor -	Full time
Demonstrator	- Full time
Other staff	- As required

SYLLABUS-PRELIMINARY

PAPER I

ANATOMY, PHYSIOLOGY, AND HISTOLOGY, PATHOLOGY AND BACTERIOLOGY

General Anatomy and Histology

General structure of mucous membrane, bones, muscles, blood vessels, lymphatics, glands and nerves. Blood and nerve supply in relation to face in general and teeth associated structures in particular. elementary knowledge of development of the face and jaws.

Muscles of mastication and facial expression.

Temporo- Mandibular joint.

Course and distribution of V, VII, and IX cranial nerves

Circulatory ,Respiratory and Nervous System

Skin and organs of special senses

Practical:

Demonstration in dissected body

Osteology of head and neck in general and face in particular.

Study of prepared histological slides of oral and Para oral tissues

Physiology

General outlines of the physiological process of the human body.

General outline of CVS, CNS and endocrine glands, Special senses

Salivary glands, ducts and their functions

Composition, function of saliva.

Mastication, deglutition and phonation,

Blood – structure – function – clotting mechanism.

Respiratory system

Practical

Demonstration of estimation of Hb, RBC, WBC, DC, BT, CT, blood grouping BP recording ,Pulse.

Routine blood and urine examination.

Pathology and Microbiology (General and oral):

General principles of pathology – Inflammation, degeneration and repair

Application of general principles of pathology of teeth and surrounding tissues.

Dental anomalies

Attrition, abrasion, erosion.

Overview of Oral manifestations of systemic diseases.

Vitamin deficiencies and infectious diseases.

Neoplasm in general.

Elementary knowledge of bacteriology, asepsis, infection, immunity.

Brief description of pathology and bacteriology of dental caries and gingival infections.

Asphyxia.

Shock

Practical

Study of prepared pathological and bacteriological slides

Clinical demonstration of oral and dental manifestation of systemic disorders.

PAPER II

BASIC NURSING, BIOCHEMISTRY, FOOD & NUTRITION

Basic Nursing

Introduction

1. nursing ethics
2. Health team
3. Inter Personal Relationship
4. Hospital types function
5. Preparing safe and comfortable environment for patient /preparation sick room
6. Bed making
7. Comfort devices, position, Body mechanics
8. Exercises
9. Provision for rest comfort and sleep, Meeting of hygiene needs
10. Observation of vital signs
11. Collection of specimens
12. Hot and cold application
13. First aid
 - a. First aid kit, rules importance
 - b. Qualities of first aid provider
 - c. In emergencies fire burns, accidents, poisoning drowning hemorrhage, insect bite, anaphylaxis foreign body
14. Meeting therapeutic needs

- a. Oxygen administration
- b. Wound healing
- 15. Assessment of common health problem
- 16. Community organization
- 17. Basic life support measures

Biochemistry, Food and Nutrition:

- 1. Lectures and Practical
- 2. Basic food chemistry in relation to general and oral health
- 3. Carbohydrates, fats, proteins, vitamins, minerals. Trace elements and water in relation to dental and oral health.
- 4. General food requirement for growth, maintenance and repair of the body
- 5. Assessment and charting of individual diet and counseling.
- 6. Effect of malnutrition on oral health
- 7. Special diet in maxillofacial injury cases

PAPER III

COMPUTER, OFFICE MANAGEMENT, BIO MEDICAL WASTE DISPOSAL AND

STERILIZATION

Sterilization, Disinfection and waste disposal

- 1. Definitions of various terminologies, Cleansing of instruments
- 2. Methods of sterilization and disinfection, Theatre fumigation
- 3. Infection control, Personal protection, universal precautions

Waste disposal

Aim, segregation, color coding, disposal

Basic Computer Training

- 1. Basic computer training of two weeks
- 2. Introduction to computers, Computer hardware (CPU), input devices, storage media, output devices, printers and other peripherals
- 3. Computer software-windows (introduction)
- 4. Application packages: MS DOS and Windows 2000, MS Word, Power point, Excel and Access
 - a. Introductory class on other packages

b. Security

5. Cad cam

Office assistance practice

1. Patient reception
2. Telephone
3. Appointment control
4. Daily schedule
5. Basic filling systems

SYLLABUS-FINAL

PAPER-I

ORAL ANATOMY&PHYSIOLOGY,DISEASES OF TEETH &GUMS ,DENTAL MATERIALS

Oral anatomy and Physiology (elementary)

1. Bones of the skull, Maxilla and Mandible
2. Oral cavity- lips, tongue pharynx and teeth
3. Structure of teeth and surroundings, Morphology of teeth.
4. Dentition: temporary and permanent
5. Nerve and blood supply of teeth and other soft tissues of the oral cavity
6. Muscles of mastication and facial expression
7. Saliva and control of excessive secretion in Dental Surgery
8. Dental anatomy and histology – structure, nomenclature and development of human teeth, eruption and occlusion of teeth, periodontium- structure and function.
9. Blood coagulation basics

Diseases of Teeth and Gums

1. Dental caries, Pulp diseases, alveolar abscess and cellulites
2. Periodontal diseases, gingivitis/periodontitis
3. Attrition, Abrasion, Erosion and Fluorosis of teeth

Pharmacology (Materia Medica)

General and Dental:

Brief description, nomenclature, derivation, dosage, pharmacological action and therapeutic uses of drugs, commonly used in dentistry.

Practical

Preparation of gum paint, mouth washes and dentifrices

1. Materials/Drugs and their uses in dental surgeries-obtundants and astringents
2. Preparation of solution in different percentages used in dental surgery
3. Antiseptic mouth washes

Dental lab procedures (Theory and practical)

General knowledge of various materials use in dentistry and their manipulation. Impression materials and model materials, acrylic resins.

Dressing materials and various filling materials, temporary and permanent.

Various types of fixed and removable appliances used

Materials used in Maxillo facial and surgical prostheses

Practical

Impression materials/disinfection

Pouring of cast

Chair side clinical assistance

Alginate mixing

Cement mixing

Filling materials

PAPER II

OPERATING ROOM TECHNIQUE, CHAIR SIDE ASSISTANCE, DENTAL LAB ROUTINE

Dental surgery routine

1. Duties of DORA

2. Personal Hygiene and Reception of patients
3. Surgery upkeep and maintenance
4. Infection control in dental practice
5. Sterilization of instruments including its cleaning, trays dressings and various other items used in dental surgery. Asepsis and antiseptic methods used.
6. Care of patients in Shock and Syncope in dental chair
7. Operation theater technique and present concept in assistance.
8. Preparation of patients for general and local anaesthesia
9. Preparation of Pathological specimen from the mouth for dental museum/lab investigation
10. Dental emergencies and their management
11. Home care after extraction, filling and denture insertion
12. Oral hygiene and brushing technique
13. First aid management and transportation of maxillofacial injury cases
14. Lay out of instrument trolleys for
 - Surgical extraction of teeth
 - Alveolectomies and Apicoectomies
 - Fracture jaws
 - Endodontics
 - Gingivectomies, Mucoperiosteal flaps
 - Denture work

Dental equipment and stores

1. Recognition and knowledge of various Dental equipment and stores used in Dental establishment
2. Organization of Dental stores, Storage, accounting and issue of Dental stores.
3. Handling and maintenance of dental items
4. Assembly and minor repair to dental equipment
5. Poisonous drugs-storage and labeling: Short life items and their care, turnover

PAPER III

MINOR & MAJOR SURGICAL ASSISTANCE WITH THE CONCEPT OF BTLs, RDAIO IMAGING, DENTAL ETHICS & JURISPRUDENCE, ORIENTATION IN DENTISTRY

Maxillofacial Surgery

1. Fracture Mandible and Maxilla- Main characteristics
2. Maintenance of oral hygiene in fracture jaw cases and periodical attendance of maxillofacial injury cases during post op. period in ward.

Protection from radiation hazards

Dental Documentation and office procedures

1. Knowledge about layout and upkeep of waiting rooms
2. Registration of case and Scheduling of appointments
3. Dental Treatment record maintenance and abbreviations for recording treatment
4. Dental statistics including collection of Dental health information, and its communication
5. Billing and accounting
6. maintenance of office room and clinic
7. Material maintenance and supply

Objectives and scope of dentistry

Dental specialties

Preliminary and Other Dental Procedures And Dental Office Management – Book-Keeping And Typing

Practical

1. Preparation of models of normal and pathological oral conditions
2. Designing, drawing and painting of poster on dental health education
3. Procedures for arranging talks, dramas, seminar with audiovisual aids on dental and oral health

Dental Jurisprudence and Ethics

1. History of Dentistry
2. Professional ethics
3. Legal implication in dental practice
4. Dentists Act 1948, as it relates to registration of dental hygienist and dentists.

Place and function of dental profession in the society and discussion of economic problems involved therein

Community Dentistry and Oral Health Education

Introduction to community dentistry

Psychological aspects of the child and parents and their counseling

Aims and objects of dental health education
General epidemiology and environmental health
Water supply to community and their implications on dental health
Oral hygiene habits
Oral hygiene maintenance instructions
Habits and their effects on dental structures
Oral health in handicapped
Dental caries – prevalence and prevention
Periodontal diseases- prevalence and prevention
Social factors in dental progress, income and living standard of people

Additional subjects

- a. Tour and unkeep of the dental centre, operator and various departments
- b. Operatory discipline and discipline of the patients
- c. Admission procedure to MI Room and wards
- d. Manipulation of stretcher cases

SCHEME OF EXAMINATION

1. An examination for the grant of Diploma of Dental Operating room Assistant shall be conducted by a Board of Examiners appointed by the university/institutions imparting training for qualification of Dental Operating room Assistant and that at least one of the examiners must be external from outside that institution.

Note: Qualifications/eligibility for appointment as an examiner for Dental Operating room Assistant examinations

- a. Should be registered in Part 'A' of the Dentists Register maintained under the Dentists Act, 1948 and
 - b. That medical persons teaching medical subjects may be appointed as examiners for medical subjects even though they are not registered under the Dentists Act, 1948
 - c. Should be an active teacher of the concerned course or in the concerned subject/s at a recognized dental/medical institution
2. The examination shall be held twice a year, on such dates as may be fixed.
 3. Any candidate who fails in one subject in an Examination is permitted to go to the next higher class and appear for the subject and complete it successfully before he can appear for the next higher examination
 4. The duration of the written exam shall be three hours and practical exam should not exceed three hours

The examination shall consist of two parts:

1. Primary and
2. Final Certificate examination

PRIMARY EXAMINATION

1) This examination shall be open to any student who –

- a) Has been enrolled during one academic year preceding the examination in an institution approved by the dental council of India for the purpose.
- b) Has passed the plus two examination not less than one academic year preceding the examination of a recognized board/university taking biology subject or equivalent recognized qualification.
- c) Has his/her name submitted to the board of examiners by the head of the institution in which he/she is enrolled
- d) Produces the following certificate signed by the head of the institution.
 - i) Of good character:
 - ii) Of having attended not less than 80 % of full course of lectures delivered and practicals / demonstrations/ clinicals conducted in each of the subjects of examination. If due to some reason the student is short of 80 % attendance, he /she can apply for condonation once in the entire course if he has more than 70% attendance.

Provided that the head of the institution shall have power to exclude any candidate from the examination if satisfied that such candidate is not fit person to be admitted thereto.

2) Every candidate shall forward his/ her application to the examining body by date fixed by the body accompanied by the prescribed fees .A candidate who fails to pass or present himself / herself for the examination shall not be entitled to claim a refund of the fee.

Every candidate shall be examined in the following subjects comprising of three papers as follows:

- Paper I - Anatomy, Physiology, and histology, pathology and bacteriology
- Paper II - Basic Nursing, Biochemistry, Food & nutrition
- Paper III - Computer, Office Management, Bio Medical Waste Disposal and Sterilization

Marks for each of the papers shall be as under

Written	-	75
Oral	-	50
Internal assessment	-	25
Total	-	150

Each written paper shall be of three hours.

Practical	-	40
Practical (internal assessment)-		10
Total	-	50

1. Assessment examinations may be held at least 3 times in a particular year and the average marks of these examination should be considered
2. Each written paper shall be of three hours
3. Every candidate shall be required to take up all subjects of the examination. A candidate failing in any paper or papers of this examination before being permitted to reappear at the subsequent examination, shall have to pass the examination which he/she had failed to clear
4. The minimum number of marks required to pass the examination shall be 50% in each paper both in the (i) written and oral (ii) practical parts of the examination.
A candidate will have to clear both oral and practical separately
5. A candidate, who passes in any one or more papers under examination need not appear for the paper in which he or she has passed and shall be allowed to reappear in the test in which he / she has failed in any subsequent examination within a period of two years. After two years the candidate will have to appear in all the papers of this examination.
6. Candidates who obtaining minimum of 75% of the marks shall be declared to have passed with distinction. Candidates who do not pass in all the papers of the PRIMARY EXAMINATION at one and the same time shall not be declared to have passed with distinction.

7. As soon as possible after the examination the board of examiner shall publish a list of the candidates who have passed. Each successful candidate shall be granted a PRIMARY CERTIFICATE.

FINAL EXAMINATION

- 1) This examination shall be open to any student who –
 - a) Has been enrolled during one academic year preceding the examination in an institution approved by the dental council of India for the purpose.
 - b) Has previously passed the primary examination of the certificate of Dental Operating Room assistant, (DORA)
 - c) Has his/her name submitted to the board of examiners by the head of the institution in which he/she is enrolled
 - d) Produces the following certificate signed by the head of the institution.
 - i) Of good character:
 - ii) Of having attended not less than 80 % of full course of lectures delivered and practicals / demonstrations / clinicals conducted in each of the subjects of examination. If due to some reason the student is short of 80 % attendance, he /she can apply for condonation once in the entire course if he has more than 70% attendance
 - III) Of having passed the PRIMARY EXAMINATION in all papers.

Provided that the head of the institution shall have power to exclude any candidate from the examination if satisfied that such candidate is not fit person to be admitted thereto.

2) Every candidate shall forward his/ her application to the examining body by a date fixed by that body accompanied by the prescribed fees .A candidate who fails to pass or present himself/ herself for the examination shall not be entitled to claim a refund of the fee

3) Every candidate shall be examined in the following subjects comprising of three papers as follows:

- Paper I – Oral Anatomy and physiology, Diseases of the teeth and gums and Dental materials
- Paper II – Operating room technique, Chair-side assistance, Dental lab routine
- Paper III- Minor and Major surgical assistance with concept of BLTS, Dental radiology, Dental ethics and jurisprudence, Orientation in dentistry

Marks for each of the papers shall be as under

Written	-	75
Oral	-	50
Internal assessment	-	25
Total	-	150

(Each written paper shall be of three hours.)

Practical	-	40
Practical (internal assessment)-	-	10
Total	-	50

1. Assessment examinations may be held at least 3 times in a particular year and the average marks of these examination should be considered
2. Each written paper shall be of three hours
3. Every candidate shall be required to take up all subjects of the examination. A candidate failing in any paper or papers of this examination before being permitted to reappear at the subsequent examination, shall produce evidence of having pursued such a course of teaching as the head of the institution may determine
4. A candidate, who passes in any one or more papers under examination, shall be exempted from appearing for the ones in which he/she has passed and shall be allowed to reappear in the test in which he/she has failed in any subsequent examination within a period of two years. After two years the candidate will have to appear in all the papers of this examination.
5. The minimum number of marks required to pass the examination shall be 50% in each paper both in the (i) written and oral (ii) practical parts of the examination. A candidate will have to clear both oral and practical separately. Candidates who obtain minimum of 75% of the marks in any paper shall be declared to have passed with distinction in particular subject/s. candidate who do not pass in all the papers of the FINAL EXAMINATION at one and the same time shall not be declared to have passed with distinction..
6. As soon as possible after the examination the board of examiners shall publish a list of the candidates who have passed .Each successful candidate shall be granted a DIPLOMA IN DENTAL OPERATING ROOM ASSISTANT

Marks distribution for the subjects in DORA

primary

Paper I		Written	Internal assessment	Viva	Practical	Internal assessment	250
	Anatomy	20	5	10	10	5	
Physiology	20	4	10	10	5		
Pathology	40	6	20	20	10		
microbiology	20	5	10	10	5		
total	100	25	50	50	25		
Minimum marks required for a pass				25			
	88 out of 175			38 out of 75			

Paper II		Written	Internal assessment	Viva	Practical	Internal assessment	250
	Nursing	75	15	25	25	15	
Biochemistry	25	10	25	25	10		
Total	100	25	50	50	25		
Minimum marks required for a pass				25			
	88 out of 175			38 out of 75			

Paper III		Written	Internal assessment	Viva	Practical	Internal assessment	250
	Computer	25	10	25	25	10	
Biomedical waste disposal & sterilization	75	15	25	25	15		
Total	100	25	50	50	25		
Minimum marks required for a pass				25			
	88 out of 175			38 out of 75			

Maximum marks per paper 250

Total marks for three papers 750

Each paper shall be of 3 (three) hours.

Candidate will have to clear both viva & practical separately

Government of Kerala
Directorate of medical education

Sl no:

Thiruvananthapuram

Date:

MARK LIST OF DIPLOMA IN DENTAL OPERATING ROOM ASSISTANT(DORA) EXAMINATION

Register number

Subject	Marks awarded	Marks Awarded (in words)	Minimum marks for a pass	Maximum marks
1. Paper I (anatomy,physiology,pathology&bacteriology)				
written				100
Internal assessment				25
Oral			25	50
Total			88	175
Practical				50
Internal assessment				25
Total			38	75
Grand total			125	250
2. Paper II (basic nursing,biochemistry&food and nutrition)				
written				100
Internal assessment				25
Oral			25	50
Total			88	175
Practical				50
Internal assessment				25
Total			38	75
Grand total			125	250
3. Paper III (computer,office management,biomedical waste disposal &sterilization)				
written				100
Internal assessment				25
Oral			25	50
Total			88	175
Practical				50
Internal assessment				25
Total			38	75
Grand total			125	250
Grand total				750

OR

Subject	Marks awarded	Marks Awarded (in words)	Minimum marks for a pass	Maximum marks
1. Paper I (anatomy,physiology,pathology&bacteriology)				75
written				25
Internal assessment			25	50
Oral			75	150
Total				40
Practical				10
Internal assessment			25	50
Total			100	200
Grand total				
2. Paper II (basic nursing,biochemistry&food and nutrition)				75
written				25
Internal assessment			25	50
Oral			75	150
Total				40
Practical				10
Internal assessment			25	50
Total			100	200
Grand total				
3. Paper III (computer,office management,biomedical waste disposal &sterilization)				75
written				25
Internal assessment			25	50
Oral			75	150
Total				40
Practical				10
Internal assessment			25	50
Total			100	200
Grand total				600
Grand total				

OR

Subject	Marks awarded	Marks Awarded (in words)	Minimum marks for a pass	Maximum marks
1. Paper I (anatomy, physiology, pathology & bacteriology)				
written				80
Internal assessment				20
Oral			25	50
Total			75	150
Practical				40
Internal assessment				10
Total			25	50
Grand total			100	200
2. Paper II (basic nursing, biochemistry & food and nutrition)				
written				80
Internal assessment				20
Oral			25	50
Total			75	150
Practical				40
Internal assessment				10
Total			25	50
Grand total			100	200
3. Paper III (computer, office management, biomedical waste disposal & sterilization)				
written				80
Internal assessment				20
Oral			25	50
Total			75	150
Practical				40
Internal assessment				10
Total			25	50
Grand total			100	200
Grand total				600

There shall be

1. An external examiner from anatomy
2. Internal examiners from anatomy, physiology, biochemistry, microbiology, oral pathology, nursing, computer science, and periodontics,

Marks distribution for the subjects in DORA

primary

Paper I		Written	Internal assessment	Viva	Practical	Internal assessment	250
	Anatomy	20	5	10	10	2	
Physiology	20	5	10	10	2		
Pathology	20	5	20	10	3		
microbiology	20	5	10	10	3		
total	80	20	50	40	10		
Minimum marks required for a pass				25	25 out of 50		
	75 out of 150						

Paper II		Written	Internal assessment	Viva	Practical	Internal assessment	250
	Nursing	60	15	25	40	10	
Biochemistry	20	5	25	20	5		
Total	80	20	50	40	10		
Minimum marks required for a pass				25	25 out of 50		
	75 out of 150						

Paper III		Written	Internal assessment	Viva	Practical	Internal assessment	250
	Computer	20	5	25	20	5	
Biomedical waste disposal & sterilization	60	15	25	20	5		
Total	80	20	50	40	10		
Minimum marks required for a pass				25	25 out of 50		
	75 out of 150						

Maximum marks per paper 250

Total marks for three papers 750

Each paper shall be of 3 (three) hours.

Candidate will have to clear both viva & practical separately

Sy. Pa.
Mrs.
Cym
Nhe
Dms