

BHARATHIAR UNIVERSEITY, COIMBATORE.**DIPLOMA IN HEALTH ASSISTANCE
(Community College)****(for the candidates admitted form the academic year 2011-12 onwards)****SCHEME OF EXAMINATIONS**

| Sl.No | Subject | Max Marks |
|--------------|---|------------------|
| 01 | Basics of Anatomy and Physiology | 100 |
| 02 | Applied Microbiology | 100 |
| 03 | Hospital and Health Care Services | 100 |
| 04 | Basics of Patient Care and Health Assistance | 100 |
| 05 | Basics of Patient Care and Health Assistance – Practical Training | 100 |
| | Total | 500 |

PAPER I

BASICS OF ANATOMY & PHYSIOLOGY

OVERALL OBJECTIVE : At the end of the programme the students will be able to understand the basic concepts of Anatomy and Physiology and develop desirable attitude and skill in application of these knowledge while providing care to the patients.

SPECIFIC OBJECTIVES : The students will be able to

- 1) Explain the organization of Human body.
- 2) Describe the location , features and parts of systems of the body.
- 3) Understand the function of various systems of the body.

UNIT I: ORGANISATION OF HUMAN BODY

Definition & subdivisions of anatomy, anatomical position and terminology, regions and system of the body, cavities of the body and their contents.
Size and shape of cells. Parts of cells, cell division. Tissues of the body, characteristics and function of different types of tissues, types of glands.

UNIT II: THE SKELETAL SYSTEM

Skeleton – Definition axial and appendicular skeleton with names and location of bones
Joints – Types of joints & kinds of movement possible
Muscles – Definition, types of muscles, difference between striated & smooth muscle
Functions of the muscles, bone and joints

UNIT III: THE NERVOUS SYSTEM

Subdivisions of nervous system, brain - location, external features and functions of brain & spinal cord, location, features, functions of the sense organs

UNIT IV: CARDIO VASCULAR AND RESPIRATORY SYSTEM

The types & structure of blood vessels. Shape, structure of heart, blood supply to heart and functions of cardio vascular system
The name, location of organs of respiration and Physiology of respiration

UNIT V: OTHER SYSTEMS OF THE BODY

Name, parts and functions of alimentary canal and accessory organs
Names of endocrine gland – location & features and function of the endocrine glands
Parts and functions of kidney, ureter, bladder and urethra

Reference:

1. Ross & Wilson. (2008). Anatomy & physiology. British publishers
2. Chandi charan chatterjee. (1988). Human physiology. Calcutta, Medical allied agency

PAPER II APPLIED MICROBIOLOGY

OVERALL OBJECTIVE : At the end of the programme the students will be able to understand the basic concepts of Microbiology and Microbes and develop desirable attitude and skill in sterilization and disinfection and other methods of prevention of infection .

SPECIFIC OBJECTIVES : The students will be able to

- 1) Describe the Morphological features , sources and mode of transmission of various organisms.
- 2) Explain concurrent and terminal disinfection methods.
- 3) Demonstrate skill in disinfection and sterilization of equipments, rubber goods and glass wares.
- 4) Follow the standard precautions to prevent Blood borne infections.
- 5) Segregate Biomedical waster materials and dispose it appropriately.

UNIT I: INTRODUCTION

Definition & importance of microbiology for nursing assistants.

Classification of micro organisms.

Brief morphological features of microbes.

General properties of bacteria, viruses & fungus.

UNIT II: CHAIN OF INFECTION

Definition of infection

Chain of infection – Sources of Microbes, routes of infection, mode of spread

Hospital acquired infection & Prevention of Hospital acquired infection

Immunity & its types

UNIT III: STERILIZATION AND DISINFECTION

Sterilization – Definition & Classification physical methods of sterilization, use of autoclave, preparation & sterilization of surgical packs.

Disinfection - Definition & Classification, methods of disinfection.

Principles of cleaning & disinfecting the rubber, goods, glasswares, packs, linens, equipments.

UNIT IV: STANDARD PRECAUTION AND BIOMEDICAL WASTE MANAGEMENT

Collection and transport of specimen, standard precaution for prevention of blood borne infection.

Collection of culture sources from theatre.

Biomedical waste segregation & waste management.

UNIT V : ENVIRONMENTAL HYGIENE

Maintenance of Ward Hygiene, Terminal and Concurrent Disinfection

Role of the Nursing Assistant in maintaining Cleanliness of the patient and Environmental Hygiene.

Reference:

1. Hans G. Schlegel, General Microbiology (7th Edition) , Cambridge University Press.
2. Bisen.P.S, Hand (1994), Book of Microbiology (1st Edition), New Delhi, CBS Publication.

PAPER – III HOSPITAL AND HEALTH CARE SERVICES

OVERALL OBJECTIVE : At the end of the programme the students will be able to acquire knowledge in Hospital & Health organization and develop desirable attitude & skill in working as health team members.

SPECIFIC OBJECTIVES : The students will be able to

- 1) Explain the types of hospital and organization of hospital.
- 2) Explain the role of Health Assistance in Inpatient.
- 3) Recognize the impact of illness on patient and family members.
- 4) Demonstrate effective communication techniques with patient and family members and other health team members.
- 5) Demonstrate skill in use of computers.

UNIT – I

Hospital – types in a hospital – service provided in a hospital organization of public and provide sector hospital . Various Department in the hospital, Health Assistance role in the Out patient Department.

UNIT – II

Communication process – Types of Communication – Barrier for effective communication receiving & communication with patient and family members ; values and characteristics required for health assistance & communicating with patient and family members; values and characteristics required for health assistance.

UNIT – III

Hygienic Needs-Hygienic Needs- Definition, Factors influencing Hygienic, Basic care- Bath, Back Care, Back Massage, Feet and nail, mouth Care, Eyes ,Ears and Nose, hair Care and Pediculosis Treatment, Prevention of Bed Sore, Providing Urinal/Bed Pan, Perineal Care and Catheter care, Bowel Elimination-Enemas, Sitz Bath, Suppository, Passing Flatus Tube, Assisting the patient with vomiting, Diarrhoea and death care, assisting the patient for feeding vital signs.

UNIT – IV

Body Mechanics- Principles, factors affecting body alignments, range of Motion and joint mobility, Prevention of injuries and promotion of safety, transporting the patient from bed to wheel chair and vice versa. Record and Reports – Types and issues, common legal and ethical problems, Negligence, Malpractice, defamation of character.

UNIT - V

Orientation to Computer, Application of Computer in the hospital – Role of health care assistant in maintenance of Hospital Record and retrievals.

References :

1. Sr. Nancy,(2000) **Principles and Practice of Nursing**, 3rd edition, Indore, N.R. Brothers.
2. Kusum Samant (2005),Basic Computer Training for Nurses ,Vora Medical Publications.

PAPER -IV BASICS OF HEALTH ASSISTANCE

OVERALL OBJECTIVE : At the end of the course the students will be able to acquire knowledge on the basic concepts of patient care and develop desirable skill and attitude in providing basic care to the patients and assist the registered nurses in delivery of quality care.

SPECIFIC OBJECTIVES : The students will be able to

- 1) Explain the factors affecting health and impact of illness on the patients and family members.
- 2) Demonstrate skill in basic care, such as mouth care , sponge bath, back care, nail care etc.
- 3) Assist the nurses in therapeutic procedure like catheterization, intravenous cannulation.
- 4) Prepare the patient for surgery.
- 5) Provide death care.
- 6) Demonstrate skill in cardiopulmonary resuscitation and first aid.

Unit I : HEALTH AND WELLNESS :

Definition of Health and Illness, Factors influencing Health and Illness behavior, Impact of Illness on Patient and Family, Prevention of Illness, Organization of Hospital, Inpatient and out patient department, Role of the Nursing assistant in each department

Admission to the Hospital – Unit preparation, Admission Procedure Discharge from the Hospital – Types, Discharge procedure .Role and Responsibilities of the Nursing Assistants in Admission and Discharge Communication Among the Health Care team and maintaining effective communication.

Unit II : MEETING COMFORT NEEDS:

Bed Making , Types of Beds and various positions, Promotion of Comfort, Rest and Sleep. Checking the Temperature, Pulse and Respiration Hot and Cold Applications – Indication, Contraindication and Procedure.

Unit III : SAFETY IN THE HEALTHCARE FACILITY :

Body Mechanics- Principles, factors affecting body alignments, range of Motion and joint mobility, Prevention of injuries and promotion of safety, transporting the patient from bed to wheel chair and vice versa. Record and Reports – Types and issues, common legal and ethical problems, Negligence, Malpractice, defamation of character.

Unit IV : FIRST AID :

Basic Principles of First Aid

Wounds - Types of Wound, Wound Care and Bandages

Bleeding – Types and First Aid Measures, Bleeding from special parts

Fracture - Types and First Aid Measures

First Aid for abdominal Injury, Drowning, Poisoning, Burns

Basic Life Support

Lifting and Transporting the Unconscious Victim

Unit V : PREPARATION OF THE PATIENT PRIOR AND AFTER THE SURGERY

Preoperative Skin preparation

Sending and Receiving the patient from Operation Room, assisting the nurses in the operation theater, Maintaining the theater hygiene.

References :

1. Alice.A, Jebamani.A and Accamma.C (2004) **Clinical Nursing Procedure Manual**,(2nd edition), Bangalore B.I. Publications .
2. Caroline R.B. and Mary K.T. (2003). **Textbook of Basic Nursing**, (8th edition)., Philadelphia, Lippincott Publications.
3. Lois. W, (2002), **Basic Nursing – Foundation of Skills and Concepts**, (1st edition), United Kingdom, Delma publication.
4. Madhuri Inamdar, (2003), **Textbook for Fundamentals of Nursing**, (1st edition), Bombay ,Vora Medical Publications.
5. Sr. Nancy,(2000) **Principles and Practice of Nursing**, (3rd edition), Indore N.R. Brothers.
6. Nursing Education Society (1994), **First Aid and Emergency Care**,(4th edition), Indore, N.R. Brothers.

PAPER -V PRACTICALS

Clinical Postings in

- Outpatient Departments, wards

Procedure to be Completed :

- Admission and discharge Procedure
- Bed making
- Position
- Sponge bath, Back Care, Back Massage
- Nail Care, Care of the Eye, Ear and Nose
- Mouth Care, Hair Care and Pediculosis Treatment
- Providing Bed Pan, Urinal
- Perineal Care and Catheter Care
- Administering Enema, Suppositories
- Sitz bath and Passing Flatus Tube
- Collecting and Handling of Specimens
- Checking the temperature, Pulse and Respiratory
- Cold Compress, Tepid Sponging, Cold sponging
- Ice cap, Hot water bags
- Preoperative Skin preparation
- Transporting the patient from Bed to Wheel chair and vice-versa
- Death Care
- Maintenance of Record and Reports
- Maintenance of Cleanliness of the patient and Environmental Hygiene
- Hand Washing Technique

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