

## **BSS SYLLABUYS**

### **[AHS003]- BSS DIPLOMA IN PHYSIOTHERAPY & ACTIVITY THERAPY – [TWO YEAR]**

1. PAPER 1 AHS003-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS
2. PAPER 2 AHS003-02 ANATOMY, PHYSIOLOGY AND PATHOLOGY PERSONAL HYGIENE
3. PAPER 3 AHS003-03 BASIC OCCUPATIONAL THERAPY – I NURSING & FIRSTAID COMMUNITY EDUCATIONAL AIDS
4. PAPER 4 AHS003-04 MANUAL ACTIVITIES CRAFT, REMEDIAL GYMNASTIC HYDRO THERAPY
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11. PAPER 11 AHS003-11 OCCUPATIONAL THERAPY- II, PREVOCATIONAL ACTIVITY
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### **[AHS003] – BSS DIPLOMA IN PHYSIOTHERAPY & ACTIVITY THERAPY- [TWO YEAR]**

#### **[AHS003-01] - COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS**

COMMUNICATIVE ENGLISH

#### **UNIT – I**

Communication- Communication Process- verbal Communication- Non – Verbal Communication – pros & cons of Communication- Communicative English Exercises.

#### **UNIT – II**

Phonetics- Organs of Speech – Vowels – Spelling Areas – Diphthongs – Consonants – Stress – word Accent – The Part of Speech in English.

#### **UNIT – III**

Communicative grammar – Classification of Nouns and Their Functions – Verbs – Symbols – Pronoun – Auxiliary Verb – Articles – Use of the indefinite article – Use of the definite article – Tenses – Prepositions – Phrasal verbs and adverb particles – verbs

#### **UNIT – IV**

Patterns of Sentences – Direct and Indirect Speech – Degrees of Comparison – Simple, Complex and Compound Sentences – Basics of Inter – Personal skills – Basics of Body language.

### **COMPUTER FUNDAMENTALS (MS-OFFICE)**

#### **UNIT – V**

Windows Introduction – Operating System – Desk Top Icons- My Computer, Recycle Bin, Internet Explorer, Network Neighborhood , My Documents. Working With Windows – How to Create a Folder, Copying and Cutting file, Renaming – Start Icon – Programs, Favorites, Documents, Setting, Find ,Run, Shutdown – Application Icons.

#### **UNIT – VI**

An Introduction to Word – The Password Workspace, Starting and quitting word, Creating and Manipulating various documents and macros. – How to Use Mouse Menu - Working With Dialog Box- Primary Commands in File Menu- The Open Commands, The File Name Commands, The new commands,

The Save, Save As, and Save All Commands, The close commands, The Page Setup, The print commands, The Exit commands.

Edit Menu Commands- The Cut, Copy, and Paste commands, The Undo and Repeat Commands Find and Replace Commands – Format Commands – The View Menu, The Insert Menu, The Tool Menu, The Table Menu, The Window Menu.

## **UNIT – VII**

Building a Simple Worksheet-Entering Text, Entering Values, Entering Date & Times, Moving Around, Scrolling Selecting Ranges, Using Menue, Using Tool Bar, Using Shortcut Menues, Changing Entries, Moving Entries, Inserting Deleting Cell-Formatting Basics-Changing Character Style, Changing Alignment, Changing Column Width, Changing Row Height, Sheet Rename, Conditional Formatting, Auto Formatting.

Working With Multiple Worksheeyt- coping entries between workbooks, Moving Sheets Workbooks, Deleting Sheets, Quitting Excel-Opening Existing Workbooks- Simple Calculations, Doing arithmetic, Totaling Column of values, Naming cells and

Ranges .Formatting Text-Displaying dollars and cents, Formatting decimal places, Formatting dates, Copying style and formats, Formulas that Make Decisions – Using If Fuction, Using the nested If Function, Copying Formulas.

Checking spelling, printing Worksheets, Preview Worksheet, Goal Seek, Scenarios, Macro, Protection- Sorting data, Keeping leading view, Finding records, Adding and Deleting records, Filtering records. Plotting chart, Sizing and Moving charts, Updeting charts, changing the charts Type,Using auto format. Creating Macros, Recording Macros, Runing Macros

## **UNIT - VII**

Basics of Ms Office Tools, Ms Office Access, Ms Office Groove, Ms Office one note, Ms Office outlook,Ms Office Power point.

### **[AHS003-02] ANATOMY, PHYSIOLOGY AND PATHOLOGY PERSONAL HYGIENE**

- 1) Introduction to anatomy of the human body, Characteristics of living matter .
- 2) The Structure of living matter
- 3) Tissue System & various of Human body.
- 4) Anatomy of Circulatory System
- 5) Anatomy of Respiratory System
- 6) Anatomy of digestive system
- 7) Anatomy of live billiard System & pancreas
- 8) Anatomy ofendocrine & exocrine glands
- 9) Anatomy of urinary System
- 10) Anatomy of nervous System
- 11) Anatomy of special sense organs
- 12) Anatomy of reproductive System
- 13) Anatomy of lymphatic System
- 14) Anatomy of Skeletal System

Introduction of Physiology of Human Body

1. Psychology of Circulatory System
2. Psychology of respiration System
3. Psychology oflymphatic System
4. Psychology of digestive System
5. Psychology of liver billiard System & pancreas
6. Psychology of endocrine & exocrine glands
7. Psychology of urinary System
8. Psychology of nervous System

9. Psychology of Special senses
10. Psychology of reproductive System

Isometric Contractive  
 Physiology of Vision and hearing  
 Physiology of C.N.S  
 Physiology of cardiovascular and respiratory System  
 Physiology of geneto Urinary System  
 Endocrine glands

### **Pathology**

Living Body, health calls sick cells, body fluids, metabolism enzymes  
 Etiology and classification of diseases  
 Inflammation types and examples  
 Immunity and Hyper Sensitivity  
 Disturbance in blood and emphasis in thrombosis, embolism, and haemorrhage  
 Nutritional deficiency disease like osteonalesis, rickets etc.  
 Degeneration and regeneration of nerve muscle and skin  
 Repair of bones  
 Bacterial, viral and parasite infection, pathology in T.B. syphilis, leprosy, orsteomyclitir, typhoid, small box, and polio myelitis.

### **PERSONAL HYGIENE**

Health: Concept of health, health-illness, continuous factors in fluency health  
 Personal Hygiene: Hygiene, care of body, clothing, nutrition, elimination rest, sleep and exercise, posture, recreation, menstrual hygiene.  
 Food Hygiene: Balanced diet, food habits, hygiene of food, cooking of food.

### **[AHS003-03] BASIC OCCUPATIONAL THERAPY – I NURSING & FIRTAID COMMUNITY EDUCATIONAL AIDS**

#### **A. BASIC OCCUPATIONAL THERAPY**

1. Introduction to occupation therapy.
2. Definition and nature of occupation therapy
3. The Scope of occupational therapy and the general principals underlying the prevention and treatment
4. Introduction to impairment, handicap and its rlation with occupational therapy works and its implications with rural rehabilitation programme.
5. Knowledge of various equipment used for occupational therapy
6. Therapeutic activities- poriliaring the activity and proper portioning of the patient
7. Rural writing and record keeping
8. Duties of occupational therapy assistant

#### **B. COMMUNITY EDUCATIONAL AIDS**

1. Methodsd of giving health talks
2. Instruction with community and methods of effective communication
3. Introduction of various audio visual media useful for public health education

### **[AHS003-04] MANUAL ACTIVITIES CRAFT, REMEDIAL GYMNASTIC HYDRO THERAPY**

- 1) Classification
- 2) Craft and handicraft in relation to occupational therapy
- 3) Knowledge of handling to tools
- 4) Maintenance off tools, equipment and machines, etc
- 5) Knowledge of various materials remedial gymnastics
- 6) Concept of remedial gymnastics
- 7) Corrective remedial gymnastics

- 8) Relationship between handicapped and remedial gymnastics
- 9) Sport and recreation for disables
- 10) Modified sports for the disables
- 11) Organisation of sport at local level and district level hydro therapy
- 12) Definition and basic orientation of hydro therapy
- 13) Pre-requests for hydro therapy
- 14) Basic concepts of swimming its practice
- 15) Physiotherapy assistant in medical and surgical conditions

**[AHS003-05] PRACCTICAL - I**

[AHS003-05] PRACCTICAL - I should be conducted based on paper 1  
BSS RECORD NOTES must be utilized by the student to complete this practical

**[AHS003-06] PRACCTICAL - II**

[AHS003-06] PRACCTICAL - II should be conducted based on paper 2  
BSS RECORD NOTES must be utilized by the student to complete this practical

**[AHS003-07] PRACCTICAL - III**

[AHS003-07] PRACCTICAL - I should be conducted based on paper 3  
BSS RECORD NOTES must be utilized by the student to complete this practical

**[AHS003-08] PRACCTICAL - IV**

[AHS003-08] PRACCTICAL - IV should be conducted based on paper 4  
BSS RECORD NOTES must be utilized by the student to complete this practical

**[AHS003-09] GENERAL MEDICAL & SURGICAL CONDITIONS, MENTAL HANDICAP, SOCIOLOGY**

**A. GENERAL MEDICAL AND SURGICAL CONDITIONS**

1. Neurology – Definition and identification
2. Orthopaedics – General principles of orthopaedics
3. Pediatrics – Normal mile stone of development impanation etc
4. Skin- Definition and detection of leprosy
5. Eye – Prevention and causes of blindness and management
6. ENT – Causes of hearing disorders
7. Medical Conditions
8. Surgical Conditions

**B. MENTAL HANDICAP**

1. Definition of mental retardation
2. Fits causes and prevention

**C. SOCIOLOGY**

1. Define nature and scope of sociology
2. Social System, Social groups
3. Importance of family and marriage
4. Traditional and modern society

**[AHS003-10] PHYSIOTHERAPY EXCERCICE THERAPY, ELECTRO THERAPY, HYDRO THERAPY  
EXERCISE THERAPY SPECIAL THERAPICS**

- 1) Suspension therapy
- 2) Hydrotherapy
- 3) Relaxation
- 4) Traction
- 5) Prevention of contractures and deformities

- 6) Transfer activities
  - \* Wheel chair to tilt table
  - \* Bed to steel chair-wheel chair etc
  - \* Parallel bars to wheel chair etc
- 7) Sports for disables
- 8) Gait Training and physiology aids for to control handicap

#### ELECTRO THERAPY

1. Basic principle and modes of heart therapy indications and contraindication of heart therapy
2. Introduction to infrared and ultraviolet rays
3. Nomenclature of special therapies like cry therapy, heliotherapy, wax bath, contrast bath and EMG
4. Physiology effects on various system during electro therapy

#### HYDRO THERAPY

- 1) Definition and basic orientation of hydrotherapy
- 2) Pre-requires for hydrotherapy
- 3) Basic concept of swimming its practice
- 4) Physiotherapy assistant in medical and surgical condition

#### PRACTICALS IN

1. Exercise therapy
2. Electro therapy
3. Surgical and medical conditions

#### FIELD TRAINING

- 1) Rehabilitation set up at rural level
- 2) Burns & Plastic department
- 3) Leprosy centre
- 4) T.B. Hospital
- 5) Various department of general hospital
- 6) Workshop (Prosthetic & orthetic)
- 7) School for mentally retarded

#### **[AHS003-11] OCCUPATIONAL THERAPY- II, PREVOCATIONAL ACTIVITY**

1. Activities of daily living classification of various activities of daily living
2. Basic management of following condoning in occupational therapy
3. School for mentally retarded
4. Leprosy homes
5. Rural rehabilitation programs
6. Prosthetic – orthetic workshop

#### **[AHS003-12] PRACCTICAL - V**

[AHS003-12] PRACCTICAL - V should be conducted based on paper 9  
BSS RECORD NOTES must be utilized by the student to complete this practical

#### **[AHS003-13] PRACCTICAL - VI**

[AHS003-13] PRACCTICAL - VI should be conducted based on paper 10  
BSS RECORD NOTES must be utilized by the student to complete this practical

#### **[AHS003-14] PRACCTICAL - VII**

[AHS003-14] PRACCTICAL - VII should be conducted based on paper 11  
BSS RECORD NOTES must be utilized by the student to complete this practical