



## SRU COLLEGE OF PARAMEDICAL TECHNOLOGY

SunRise University , Alwar , Rajasthan, India

### Bachelor of Science (Acupuncture)

Full Time Regular Course

Duration of Course : 3 Academic Year

Eligibility: 12<sup>TH</sup> P.C.B. PASSED

Medium of Instruction : English

Mode of Study : On Campus

#### FIRST SEMESTER

| PAPER CODE | SUBJECTS                               | INTERNAL | EXTERNAL | TOTAL |
|------------|--|----------|----------|-------|
| 1BSCA01    | Anatomy & Acupuncture Trigger Points I | 40       | 60       | 100   |
| 1BSCA02    | Physiology & Energy Dynamics I         | 40       | 60       | 100   |
| 1BSCA03    | Biochemistry                           | 40       | 60       | 100   |
| 1BSCA04    | English                                | 40       | 60       | 100   |
| 1BSCA05    | Basic theories of Acupuncture          | 40       | 60       | 100   |
| PRACTICAL  |  |          |          |       |
| 1BSCA06    | Lab Practicals I                       | 40       | 60       | 100   |

#### SECOND SEMESTER

| PAPER CODE | SUBJECTS                                       | INTERNAL | EXTERNAL | TOTAL |
|------------|--|----------|----------|-------|
| 2BSCA01    | Anatomy & Acupuncture Trigger Points II        | 40       | 60       | 100   |
| 2BSCA02    | Physiology & Energy Dynamics II                | 40       | 60       | 100   |
| 2BSCA03    | Computer Science                               | 40       | 60       | 100   |
| 2BSCA04    | Acupuncture Meridians , Effects & Side Effects | 40       | 60       | 100   |
| 2BSCA05    | Community Health                               |          |          |       |
| PRACTICAL  |  |          |          |       |
| 2BSCA06    | Lab Practicals I                               | 40       | 60       | 100   |

**THIRD SEMESTER**

| PAPER CODE | SUBJECTS                    | INTERNAL | EXTERNAL | TOTAL |
|------------|-----------------------------|----------|----------|-------|
| 3BSCA01    | Basic Health Education      | 40       | 60       | 100   |
| 3BSCA02    | Hygiene & Infection Control | 40       | 60       | 100   |
| 3BSCA03    | Microbiology                | 40       | 60       | 100   |
| 3BSCA04    | Sociology                   | 40       | 60       | 100   |
| PRACTICAL  |                             |          |          |       |
| 3BSCA05    | Lab Practicals I            | 40       | 60       | 100   |

**FOURTH SEMESTER**

| PAPER CODE | SUBJECTS                                 | INTERNAL | EXTERNAL | TOTAL |
|------------|--|----------|----------|-------|
| 4BSCA01    | Psychology                               | 40       | 60       | 100   |
| 4BSCA02    | Basics of Acupressure                    | 40       | 60       | 100   |
| 4BSCA03    | Fitness & Wellness                       | 40       | 60       | 100   |
| 4BSCA04    | Basic Pharmacology related to Acupunture | 40       | 60       | 100   |
| PRACTICAL  |  |          |          |       |
| 4BSCA05    | Lab Practicals I                         | 40       | 60       | 100   |

**FIFTH SEMESTER**

| PAPER CODE | SUBJECTS                          | INTERNAL | EXTERNAL | TOTAL |
|------------|-----------------------------------|----------|----------|-------|
| 5BSCA01    | Basics of Illness                 | 40       | 60       | 100   |
| 5BSCA02    | Acupunture Nursing                | 40       | 60       | 100   |
| 5BSCA03    | First Aid And Emergency Asistance | 40       | 60       | 100   |
| PRACTICAL  |                                   |          |          |       |
| 5BSCA05    | Lab Practicals I                  | 40       | 60       | 100   |

### SIXTH SEMESTER

| PAPER CODE | SUBJECTS                                  | INTERNAL | EXTERNAL | TOTAL |
|------------|---|----------|----------|-------|
| 6BSCA01    | Basics of Physical Education              | 40       | 60       | 100   |
| 6BSCA02    | Fundamentals of Traditional Health System | 40       | 60       | 100   |
| 6BSCA03    | Basic Principles & History of Acupunture  | 40       | 60       | 100   |
| 6BSCA04    | Basics of Ear & Scalp Acupuncture         | 40       | 60       | 100   |
| PRACTICAL  |   |          |          |       |
| 6BSCA05    | Lab Practicals I                          | 40       | 60       | 100   |

**Course Content:**

The Human Anatomy

Histology

Embryology and Human Genetics

Biochemistry

Physiology

These subjects should contain lectures as well as adequate practical sessions where necessary. End of six semesters an examination should be held for evaluation on each of these subjects.

**1. Microbiology:**

**i. Medically important bacteria Lecture topics:**

Organization, structure, classification and bacterial diseases.

**Practical:**

Microscopy study of bacteria.

**ii. Medically important viruses Lecture topics:**

Organization, structure, classification and viral diseases.

**Practical:**

Microscopy study of viruses.

iii. Medical mycology

Lecture topics:

Organization, structure, classification and fungal diseases.

Practical:

Microscopy study of fungi.

iv. Immunity

v. Disinfection and sterilization.

2. Medical Parasitology:

i. Life cycles of protozoa, nematodes and important diseases caused by them.

ii. Detailed study of malaria and filariasis.

3. Community Medicine:

i. Principles of Epidemiology and epidemiological methods.

ii. Statistics.

iii. Health planning and management.

iv. Health care in the community.

4. Pathology:

Cells and tissues in health and disease,

Disturbance of water and electrolyte imbalances.,

Homeostasis, bleeding disorders and thrombosis,

Inflammation, healing and repair,

Diseases of immune system,

Nutritional disorder, Growth and neoplasia,

Cardiovascular system,

Respiratory system,

The blood and bone marrow,

The lymphoreticular system,

Alimentary tract, Liver, biliary tract and pancreas,

The nervous system,

The kidneys and urinary tract,

Locomotor system,

The female reproductive system and breast,

The male reproductive system,

Endocrine pathology, The skin.

Acupuncture

(I) These three semesters will be a combination of Lectures and of clinical orientation sessions.

students should involve in clinical training and get familiar with the patient care and handling Lecture schedule:

History of acupuncture,

Scientific basis of acupuncture

Materials and techniques Sterilization of needles and care of needles,

Methods of locating acupuncture points,

Posture of patients and methods of puncture,

Stimulation and needling sensation

Gate control theory of pain,

Physiological effects of acupuncture,

Complications and contraindications to acupuncture,

Anatomy of acupuncture, yin and yang and Zang-fu organs

Znag-fu functions

Channels:

Lung channel, Large intestinal channel, Stomach channel (part-I),

Stomach channel (part-II),

Spleen channel,

Heart channel,

Small intestine channel,

Urinary bladder channel (part-I),

Urinary bladder channel (part-II) pericardium channel,

Sanjiao channel,

Gall bladder channel, Liver channel,

Du channel,

Ren channel,

Extra-ordinary points ,

Unnumbered extra-ordinary points

Prohibited points and dangerous points

Principles of selection of points by modern method.

Acupuncture (II)

i. Traditional Chinese medicine

ii. Pathology-I, Pathology-II, Jing-Luo

Traditional Chinese diagnostic methods

iii. Pulse diagnosis

iv. Tongue diagnosis

v. Ear diagnosis

vi. Circulation of vital energy (Qi)

vii. Principles of energy transfer in therapeutics

viii. The great law of Bu and Xie

ix. Traditional laws of acupuncture in therapy,

The noon-midnight law and organ clock,

Mother-son law and husband-wife law,

The theory of five elements,

The sixty command points.

Acupuncture

(III) Systematic therapy-modern method

The disorders of nervous system,

The disorders of respiratory system,

The disorders of the cardio-vascular system,

The disorders of the gastro-intestinal system, Hepatic, splenic and pancreatic disorder,

The disorders of the genito-urinary system,

Gynecological disorders,

Locomotor disorders (diseases of soft tissues, muscles, bones and tendons) ,

Skin disorders,

Blood disorders,

Endocrine disorders,

Psychiatric disorders,

Eye disorders,

Ear disorders,

Disorders of children,

Acute disorders

Ancillary methods

Mechanical, hydrotherapy, heat, cold, light and Electrotherapy

Traditional Chinese Therapeutics :

Wind stroke,

Yin and yang excess of the head region,

Yang excess of face and Wei syndrome,

Excess extrinsic lung disorders and deficiency of lung, Imbalance of the lung,

Disharmony of heart and other organs, Heart excess and dysfunction,

Dysfunction of stomach and diaphragm,

Disharmony of stomach and abdominal Zang-Fu,

Dysfunctions of the digestive tract and associated organs, Liver and gall bladder dysfunctions,

Kidney and urinary bladder dysfunction (45min),

Bi syndromes and Qi and blood obstruction in soft tissues,

Wei syndromes,

Disorders of lower Jiao,

Endogenous wind yin excess,

Extrinsic heat disorder, exogenous heat, toxic excess heat, Goiter,

Exogenous heat disorders of eye

Deafness and tinnitus, dizziness and vertigo,

Rhinitis, rhinorrhoea, sinusitis and epistaxis,

Extrinsic humid heat and damp disorder (malaria)

Clinical orientation

History taking

Clinical examination

Modern method, traditional method: pulse and tongue examination

Interpretation of clinical investigations.

Differential diagnosis and definitive diagnosis

Strategy of treatment and management plan for the patient.

Clinical demonstration on:

Auriculotherapy, Head needle therapy, Pulse and tongue diagnosis,



Management of substance abuse,

Management of emergencies, Management of pain

Book Reference:

The miracle of Acupuncture Beijing Press Publication

Power of Acupuncture

Pocket Medical Dictionary Mind & Vision Dr.R.S.Agarwal Auriculotherapy Bandara Yayaweera

Acupuncture in India A Lawful Recognition

Innovative Acupuncture Dr.AndrewTiong

Acupuncture for Allopaths Annamalai University Publication

Chinese Medical Diagnosis ` European Edition

Intermediate Acupuncture Johannes Bischof

The treatment for 100 Common Diseases

Practical approach To Acupuncture Dr.Prabha Borwankar

Acupuncture Dr.H.Bhojraj

Clinical Acupuncture Prof.Anton Jayasuriya

Acupuncture Felix Mann Grace Anatomy