

**DETAILED SYLLABUS FOR THE POST OF ASSISTANT  
PROFESSOR IN RACHANASAREERA IN AYURVEDA MEDICAL EDUCATION**

(Cat.No. 724/2023)

(Total -100 Marks)

**MODULE – 1 (10 marks)**

**1. GARBHA SHAARIRA (EMBRYOLOGY)**

Definition of garbha, explanation of sukra, aartava, garbhadhana,  
Role of tridosha and panmahabhuta in the foetal development  
Description of Beeja, beejabhaga and beejabhagavayava,  
Ritumati lakshana, sadyo garbha lakshana, linga vinichaya  
Garbhotpadaka bhava, garbhavidhikara bhava, masanumasika garbha vridhi krama  
Garbha poshana, apara nirmana, nabhinadi, angapratyanga utpati  
Definition of embryo, foetus, features of sperm and ovum, fertilization, cleavage, sex  
determination and differentiation, germ layers formation and their derivatives, foetal  
circulation, placenta and umbilical cord formation, laws of heredity

**MODULE – 2 (10 marks)**

**1. MARMA SHAARIRA**

Definition of marma, number, location, classification, vidhalakshana  
Trimarma according to Charaka, knowledge of marmabhighata  
Detailed study of individual marma with their clinical and surgical importance

**2. KALA SHAARIRA**

Definition, formation, description of seven Kala with their modern component

**MODULE – 3 (15marks)**

**1. ASTHI SHAARIRA**

Number and types of asthi, general introduction and classification of bone  
Detail study of each bone with applied anatomy

**2. SANDHI SHAARIRA**

Etymological derivation, number, types of sandhi  
Definition, classification, general structure of joints  
Detailed description of joints of extremities, vertebral joints, temporomandibular joint  
with applied anatomy  
Knowledge of other joints

### **3. PESHEE SHAARIRA**

Number and types

Types and structure of muscles, description of muscles, their origin, insertion, nerve supply, action and applied anatomy

### **MODULE - 4 (10 marks)**

#### **1. SIRA, DHAMANI SHAARIRA**

Etymological derivation, definitions, number and types of sira and dhamani, description of hridaya

#### **2. CARDIOVASCULAR SYSTEM**

Description of heart and blood vessels with their course and branches, applied anatomy  
Pericardium with applied aspect

#### **3. LYMPHATIC SYSTEM**

Lymphatic vessels, lymph glands and spleen with their applied anatomy

#### **4. SROTAS SHAARIRA**

Definition, number and types of srotas and srotomoola

### **MODULE – 5 (5 marks)**

#### **1. RESPIRATORY SYSTEM**

Lungs with applied anatomy

Respiratory tract – nasal cavity, pharynx, larynx, trachea, bronchial tree

Pleura with its applied aspect

Diaphragm

### **MODULE – 6 (10 marks)**

#### **1. DIGESTIVE SYSTEM**

Organs of digestive tract with their applied anatomy

Peritoneum with applied anatomy

#### **2. DIGESTIVE GLANDS**

Salivary glands, Liver and Pancreas

#### **3. ENDORINE SYSTEM**

Definition, classification and description of endocrine glands (pituitary, thyroid, parathyroid, thymus and suprarenal glands) with clinical aspects

## **MODULE – 7 (10 marks)**

### **1. URINARY SYSTEM**

Urinary tract: kidney, ureter, urinary bladder and urethra with their clinical aspects

### **2. MALE REPRODUCTIVE SYSTEM**

Reproductive organs, tract and glands with their clinical aspects

### **3. FEMALE REPRODUCTIVE SYSTEM**

Reproductive organs, tract and glands with their clinical aspects

## **MODULE -8 (20 marks)**

### **1. NERVOUS SYSTEM**

Definition, classification, description of brain and spinal cord

Description of cranial and spinal nerves, nerve plexuses, autonomic nervous system

Description of meninges, formation and circulation of CSF

Blood supply of brain and spinal cord

### **2. SENSORY ORGANS**

Description of structures of eye, ear, nose, tongue and skin with their clinical aspects

## **MODULE – 9 (5 marks)**

### **1. SHARIOPKRAMANIYA SHAARIRA**

Definition of sharira and shaarira, shadangatvam, anga pratyanga vibhaga, mrita sharira samsodhana, preservation methods of cadaver

Constitution of purusha, karmapurusha

Panhabhoutikatvam, trigunatmakatvam, tridoshamayatvam and doshadhstumalamoolakatvam of sharira

### **2. KOSHTA SHAARIRA**

Definition of koshta, koshtanga,

### **3. ASHAYA**

Number and types of ashaya

### **4. SHADCHAKRA**

Location and significance

## **MODULE – 10 (5 marks)**

### **1. PARIBHASHA SHAARIRA**

Kurcha, kandara, jala, asthisanghata, seemanta, seevani, rajju, snayu, lasika, vasa, meda, majja

### **2. ANATOMICAL TERMINOLOGIES**

Anatomical position, planes, anatomical terms related to position, movement, skin, fasciae, ligaments, tendons

### **3. PRAMANA SHAARIRA**

Anjali pramana and anguli pramana

### **4. INDRIYA SHAARIRA**

Definition of indriya, number, indriya artha, indriya adhishtana

### **5. SURFACE AND RADIOLOGICAL ANATOMY**

Surface anatomy of thoracic and abdominal organs

***NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper***