

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

(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