

APRIL - 2001

[KD 1308]

(आयुर्वेदाचार्यः)

B.A.M.S. (Ayurvedacharya) DEGREE EXAMINATION.

(New Regulations)

Part II

First Professional Course

Paper IV — KRIYA SHAREERA — II

Time : Three hours Maximum : 100 marks

Answer either in Sanskrit or English.

Answer Section A and B in separate answer books.

SECTION A

1. Write elaborately on any THREE of the following :

(3 × 10 = 30)

(a) Māmsa dhatu (मांस धातु) Saarpurusha and Vridhikshaya lakshanas (सारपुरुष, वृद्धिक्षय लक्षण).

(b) Write about monthly ovarian cycle and the participating hormones.

(c) How skin functions as a sensory organ?

APRIL - 2001

(d) Write about signs and symptoms of asthi vridhikshaya (अस्थि वृद्धि क्षय) and asthi saara purusha (अस्थि सार पुरुष) lakshanas.

2. Write in brief about any of FOUR of the following :
(4 × 5 = 20)

- (a) Aartava (आर्तव)
- (b) Blood groups
- (c) The relation between vaata (वात) and asthi dhatu (अस्थि धातु)
- (d) Lasika Kriya (लसीका क्रिया)
- (e) Nature, formation and qualities of stanya (स्तन्य).

SECTION B

3. Write in detail on any THREE of the following :
(3 × 10 = 30)

- (a) Describe tongue as a sensory organ
- (b) Write about Dhātumalās (धातुमल)
- (c) Write precisely on Autonomous Nervous System
- (d) Ātma lakshanas (आत्म लक्षण).

4. Write in brief about any FOUR of the following :
(4 × 5 = 20)

- (a) Parathyroid glands
- (b) Vestibular apparatus
- (c) Production of urine according to Ayurveda
- (d) Shat chakras (षट् चक्र)
- (e) Functions of cerebellum.

[KE 1308]

B.A.M.S. (Ayurvedacharya) DEGREE EXAMINATION.

(New Regulations/Revised Regulations)

First Professional Course

Part II

Paper IV — KRIYA SHAREERA — II

Time : Three hours

Maximum : 100 marks

Answer in Sanskrit or English only.

Answer Section A and Section B in separate
Answer Books.

SECTION A

1. Write in detail about any THREE of the following :
(3 × 10 = 30)
- Describe fat metabolism.
 - Define Rutukala. What are the Rutumaty lakshanas?
 - Explain the Erythropoiesis.
 - Oja swaroopa, bheda and its importance in vyadhikshamatva.

2. Write in brief about any FOUR of the following :
(4 × 5 = 20)

- Function of testis.
- Rh factor.
- Medosara purusha lakshanas.
- Upadhatus.
- Rasadhatu Gati.

SECTION B

3. Write in detail about any THREE of the following :
(3 × 10 = 30)

- Explain the formation of urine.
- Describe the physiology of Nidra.
- Functions of cerebrum.
- Explain Atma in detail.

4. Write in brief about any FOUR of the following :
(4 × 5 = 20)

- Swapnotpatti.
- Shat chakras.
- Hyper thyroidism.
- Function of C.S.F.
- Anta karanam.

[KG 1308]

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New Regulations and Revised Regulations)

Part II

Paper IV — KRIYA SHAREERA — II

Time : Three hours Maximum : 100 marks

Answer Section A and Section B in separate
answer books.

Write in Sanskrit or English only.

SECTION A

1. Write in detail/answer any THREE of the following : (3 × 10 = 30)
 - (a) Explain blood clotting mechanism.
 - (b) Explain Sukra Dhathu (शुक्र धातु).
 - (c) Arthava chakra varnanam (आर्तव चक्र वर्णनं).
 - (d) Explain Ojas (ओजस).

2. Write in brief/answer any FOUR of the following : (4 × 5 = 20)

- (a) Blood groups
- (b) Lymph
- (c) मांस सार पुरुष
- (d) Twak (त्वक्)
- (e) Acquired Immunity.

SECTION B

3. Write in detail/answer any THREE of the following : (3 × 10 = 30)
 - (a) Explain Adrenocortical hormones
 - (b) Physiology of vision
 - (c) Explain Manas (मनस्)
 - (d) Utpathi, Sthana and Karya of Puresha, Mootra and Sweda. (पुरीष, मूत्र, स्वेद, उत्पत्ति, स्थान and कार्य)
4. Write in brief/answer any FOUR of the following: (4 × 5 = 20)
 - (a) C.S.F.
 - (b) Hypothalamus
 - (c) आत्मा
 - (d) Islets of Langerhans
 - (e) निद्रा ।

SEPTEMBER 2002

[KH 1308]

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper II — KRIYASAREERAM

Time : Three hours

Maximum : 100 marks

Answers can be written in Sanskrit or English.

Draw diagrams wherever necessary.

Answer Section A and Section B **SEPARATELY**.

SECTION A

1. Write in detail any **THREE** of the following :

(3 × 10 = 30)

(a) Explain the mechanism of clotting.

(b) Describe अस्थिसार पुरुष लक्षणं Lakshanas of अस्थि

धातु वृद्धि and क्षयं with its treatment.

(c) Describe the structure and functions of skin.

(d) Explain erythropoiesis.

SEPTEMBER 2002

2. Write in brief any FOUR of the following :

(4 × 5 = 20)

- (a) Formation of रस धातु and its circulation.
- (b) मज्जासार पुरुष लक्षणं with मज्जा क्षय लक्षणं.
- (c) Features of shuddha raktam and its composition.
- (d) सप्तत्वचः
- (e) व्याधि क्षमत्वं

SECTION B

3. Write in detail any THREE of the following :

(3 × 10 = 30)

- (a) Explain the physiology of hearing.
- (b) Mention the physiology of urine formation.
- (c) Describe the functions of cranial nerves.
- (d) Explain the functions of pituitary gland with its endocrine secretions and abnormalities due to its abnormal secretions.

4. Write in brief any FOUR of the following :

(4 × 5 = 20)

- (a) Pancha vayus (पंच वातं)
- (b) Define manas (मनस्) its karmas and classification
- (c) Thyroid gland
- (d) Optic pathway
- (e) Maintenance of Body equilibrium by ear.

APRIL - 2003

[KI 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper II — KRIYASAREERA — II

Time : Three hours

Maximum : 100 marks

Answers can be written in Sanskrit or English.

While writing in Sanskrit use Devanagari script only.

Draw diagrams wherever necessary.

Answer Section A and Section B in
the **SAME** answer book.

SECTION A

1. Write in detail any **THREE** of the following :
(3 × 10 = 30)

(a) Write details about WBC.

(b) Write the qualities of Sudha artava and
explain the physiology of menstruation.

APRIL - 2003

(c) Write about the qualities, location, functions of rasa dhatu and vridhi kshaya lakshyana.

(d) Explain Sukra dhatu in detail.

2. Write in brief any FOUR of the following :
(4 × 5 = 20)

(a) Sudharakta Swarupa and Pancha bhautikata.

(b) Blood grouping.

(c) ESR.

(d) Majja dhatu Kshaya Vridhi lakshyana.

(e) Sukrasara purusha lakshyana.

SECTION B

3. Write in detail any THREE of the following :
(3 × 10 = 30)

(a) Write nidra in detail.

(b) What are the hormones secreted from pituitary gland?

(c) Write a brief note about autonomic nervous system.

(d) Purisha nirmana prakriya.

4. Write in brief any FOUR of the following :
(4 × 5 = 20)

(a) Mana

(b) Ida

(c) Tongue

(d) Hypothalamus

(e) Parathyroid gland.

OCTOBER - 2003

[KJ 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper II — KRIYASAREERA — II

Time : Three hours

Maximum : 100 marks

Two hours and forty minutes

for Sec. A and Sec. B

Sec. A & Sec. B : 80 marks

Twenty minutes for Sec. C

Section C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

Essay type questions : (Any two)

1. Modern and Ayurvedic concept of Vyadhi Kshamatwa.
2. What are hormones? Write pituitary gland and its function.
3. Sudha artava lakshana and physiology of menstrual cycle.

SECTION B — (10 × 5 = 50 marks)

Answer **ALL** questions.

Short notes :

1. Sadchakra.
2. Nidra.
3. Explain coagulation of blood.
4. Sudha stanya lakshana.
5. Blood pressure.
6. Erythropoiesis.
7. Kshaya and Vridhi lakshana of meda dhath.
8. Lymphatic circulation.
9. Asraya asrayee bhava of dhatu and dosha.
10. Facial NV.

APRIL - 2004

[KK 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper II — KRIYASAREERA – II

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and

Sec. A & B : 80 marks

forty minutes

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer Sections A and B in the SAME Answer books.

SECTION A — (2 × 15 = 30 marks)

Essay type questions : (any TWO)

1. Karma, Kshaya and Vridhi lakshana of asthidhath and description of formation of bone tissue.
2. Physiology of hearing.
3. Describe the formation of Purisha.

SECTION B — (10 × 5 = 50 marks)

Short notes :

4. Physiology of muscle contraction.
5. Kedarakulya nyaya.
6. Explain about ovulation.
7. Swada Kalikayem (taste buds).
8. Micturation.
9. Guna and Karma of rasadhath.
10. Idapingala nadi.
11. Functions of tongue.
12. Portal circulation.
13. Formation and absorption of CSF.

AUGUST - 2004

[KL 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course
(New and Revised Regulations)

Part II

Paper II — KRIYASAREERA — II

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and forty minutes Sec. A & B : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer Sections A and B in the SAME Answer Book.

SECTION A — (2 × 15 = 30 marks)

Essay type.

1. Write the mechanism of blood coagulation.
2. Describe about upasthambha.

SECTION B — (10 × 5 = 50 marks)

Short notes.

3. Sadhaka pitta.
4. Explain guna and karma of sukradhatu.

5. Mamsadhatu vridhi kshaya lakshana.
6. Erythropoeisis.
7. Guna and karma of rasadhatu.
8. Khale kapota nyaya.
9. Avasthapaka.
10. Vakpravriti.
11. Sukrakshaya lakshanam.
12. Rakta dhatu vrudhikshaya lakshana.

FEBRUARY - 2005

[KM 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper II — KRIYASAREERA — II

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

Essay type :

1. Describe the blood grouping in detail.
2. Definition, guna, bheda, pramana and dusti of ojas.

SECTION B — (10 × 5 = 50 marks)

Short notes :

3. Sudha Stanya Lakshana.
4. Ojasara purusha.
5. Blood pressure.
6. Swapna.
7. Functions of the tongue.
8. Kedarakulya nyaya.
9. Functions of the blood.
10. Raktasara and asthisara purusa lakshana.
11. Lymphatic circulation.
12. Sudha artava lakshana.

[KM 1308]

AUGUST - 2005

[KN 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

**B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.**

First Professional Course

(New and Revised Regulations)

Part II

Paper IV — KRIYASAREERA — II

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Write the Answers in English or Sanskrit only.

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Describe Vridhi and Kshaya of Mamsa dhatu and explain mamsa sara purusha and mamsa vaha srotas.

2. Describe the formation and functions of W.B.C. What are the causes and symptoms of Vitiation of Rakta dhatu.

II. Short notes :

(10 × 5 = 50)

1. Pituitary gland.

2. Nidra.

3. Physiology of hearing.

4. Shad Chakras.

5. Dhatunam Anjali Pramanam.

6. Upadhatu.

7. Manas.

8. Autonomous nervous system.

9. Stanya.

10. Ojovyapat.

FEBRUARY 2007

[KQ 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper IV — KRIYASAREERA — II

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay Type Question : (1 × 20 = 20)

1. What do you mean by blood? Write its composition, functions and mechanism of blood clotting in detail.

Long Essay : (2 × 15 = 30)

2. Write about formation, guna, karma, Vrudhi, Kshyaya lakshana of rasa dhatu.

3. Describe about vyadhikshyamatwa.

II. Short notes :

(6 × 5 = 30)

1. Functions of skin.

2. Satchakra.

3. Ojavisramsa.

4. Physiology of vision.

5. Functions of asthi dhatu

6. Sanjya vaha srota.

AUGUST 2007

[KR 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper IV — KRIYASAREERA – II

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Describe about the utpati, guna, karma, and
kshyaya vrudhi lakshan of rakta dhatu.

2. Artava chakra.

II. Short notes :

(10 × 5 = 50)

1. Malas of dhatu.

2. Pineal body.

3. Purisha.

4. Kshaya vridhi lakshana of rasa dhatu.

5. Functions of blood.

6. Twak sara purusha lakshana.

7. Functions of asthi dhatu.

8. Sat chakra.

9. Sweda.

10. Manovishaya.

FEBRUARY 2008

[KS 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper IV — KRIYASAREERA — II

Q.P. Code : 641308

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Write the Answers in English or Sanskrit Only.

Answer ALL questions.

- I. Long Essay : (2 × 15 = 30)
1. Ashraya – Ashrayi bhāva between Asthi and Vāta and functions of Asthi vaha srotas.
 2. Draw a diagram of visual path way and explain it.

II. Short notes :

(10 × 5 = 50)

1. Vyādhikshamatra.
2. Menstrual cycle.
3. Vriddhi, Kshaya lakshana of majja dhātu.
4. Features of shukra sāra purusha.
5. Nidra.
6. Structure of Neuron.
7. Juxta glomerular apparatus.
8. Erythroblastosis fetalis.
9. Thyroid gland.
10. Blood clotting factor.

August 2008

[KT 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.

First Professional Course

(New and Revised Regulations)

Part II

Paper IV — KRIYASAREERA — II

Q.P. Code : 641308

Time : Three hours

Maximum : 100 marks

Write the Answers in English or Sanskrit only.

Answer ALL questions.

- I. Long Essay : (2 × 15 = 30)
1. Explain auditory pathway and mechanism of equilibrium.
 2. Explain Vyadhiksmatvam and the role of ojus in it.

August 2008

II. Short notes : (10 × 5 = 50)

1. Nidra.
2. Functions of cerebellum.
3. Functions, Vrudhi and Ksaya laksanas of Medho dhatu.
4. Explain Lymph and Lymphatic circulation.
5. Explain Micturition reflex.
6. Manas.
7. Function of Blood.
8. Upadhatu – Formation and function.
9. Physiology of sleep.
10. Explain the endocrinal function of pancreas.

III. Short Answers. (10 × 2 = 20)

1. Factors responsible for blood coagulation.
2. Shudha sokra laksanas.
3. Relationship between mano doshas and sarira dosha.
4. Dhatu karma.
5. Asthivaha srothas.
6. Hyperthyroidism symptoms.

7. Ashraya Ashrayi Bhava.

8. Draw a diagram of neuron with its parts.

9. Juxta glomerular apparatus.

10. Mamsa Sara Purusha Laksanas.

February 2010

[KW 1308]

Sub. Code : 1308

(आयुर्वेदाचार्यः)

**B.A.M.S. (AYURVEDACHARYA) DEGREE
EXAMINATION.**

First Professional Course

(New and Revised Regulations)

Part II

Paper IV — KRIYASAREERA – II

Q.P. Code : 641308

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Long Essay : (2 × 15 = 30)**
- 1. Explain Endocrine glands and it's function.**
 - 2. Explain Kidneys, urinary bladder and function of urinary system.**

February 2010

II. Short notes on :

(10 × 5 = 50)

1. Explain Mamsadhatu.

2. Dopamine.

3. Describe Artava.

4. Explain Menstrual cycle.

5. Explain Lymphatic function.

6. Mamsa sara purusa lakshana.

7. Explain satcakra.

8. Formation of skin, types and functions.

9. Difference between oja and Bala.

10. Explain sukradhatu.

III. Short Answers :

(10 × 2 = 20)

1. Rasa vrddhilakshanas.

2. Explain Asrya-Asrayibhava.

3. Majja kshaya lakshanas.

4. What is Erythrocytes?

5. Explain ojo ksaya lakshanas.

6. Pineal gland.

7. Suddha Artava lakshanas.

8. Functions of Manas.

9. Explain Buddhi.

10. Udanavayu and it's function.

August 2011

[KZ 1308]

Sub. Code : 1308

B.A.M.S. (AYURVEDACHARYA) DEGREE EXAMINATION.

FIRST PROFESSIONAL COURSE

Paper VIII —KRIYA SHAREER — II

Q.P. Code : 641308

Time : Three hours

Maximum : 100 marks

Answer **ALL** questions.

I. Long Essay:

(2 x 15 = 30)

1. Explain in detail of Rasabhalu.
2. Write about Menstrual cycle.

II. Short notes :

(10 x 5 = 50)

1. Sweda Vridhi and Kshaya lakshanas
2. Ida – Pingala – Sushumna nadi
3. Thyroid gland hormones
4. Srotrendriyam (Sense organ of hearing)
5. Athma gunas
6. Mano Vishayas
7. Composition of Urine
8. Rasanendriya (Jihwa)
9. Chakshur Indriyam (Vision Perception)
10. Majja dhatu Vridhi lakshanas.

III. Short Answers :

(10 x 2 = 20)

1. Medho vridhi lakshanas
2. Types of Nidra
3. Pituitary gland Hormones
4. Types thyroidism
5. Asthikshaya lakshanas
6. Mamsa Vridhi Lakshanas
7. WBC varieties
8. Rakta vaha srotas
9. Ojus gunas
10. Rasa kshaya lakshanas.

February 2012

[LA 1308]

Sub. Code: 1308

B.A.M.S. (AYURVEDACHARYA) DEGREE EXAMINATION
First Professional Course
Paper X- KRIYA SHAREERA Paper II.

Q.P. Code: 641308

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: (2X15=30)

1. Describe in detail about haemopoiesis.
2. Describe in detail about manas and its clinical importance.

II. Write notes on: (10x5=50)

1. Bala Vrudhi kara bhavas.
2. Shudha and dushta stanya lakshanas
3. Medosara purusha lakshanas.
4. Renal function tests.
5. Gunas and Karma of Atma.
6. Nidra.
7. Functions of Glucocorticoids.
8. Menstrual cycle.
9. Write in brief about upadhatus.
10. Functions of Rasa dhatu.

III. Short Answers (10x2=20)

1. Nidra Bhedhas.
2. Hormones of Pituitary gland
3. Functions of Bhrajaka pitta.
4. Layers of Twak.
5. Mamsa vrudhi lakshanas.
6. Define mala.
7. Classification of Indriyas.
8. Functions of parathormone.
9. Gunas of Ojus.
10. Ojo Kshaya Lakshanas.

APRIL 2013

[LC 1308]

SUB CODE: 1308

FIRST PROFESSIONAL B.A.M.S DEGREE EXAM - APRIL 2013

PAPER -X : KRIYA SHAREERA-II

Q.P. Code: 641308

Time: 3 hours

Maximum:100 Marks

ANSWER ALL QUESTIONS

I Essay Questions:

2×15 = 30

1. Write about the common Blood investigations with their indications, normal values and interpretations.
2. Narrate the sequence of events taking place in a non-pregnant women during her Menstrual cycle and write the relevant part from Ayurveda.

II Short notes:

10×5 = 50

1. Nirukti, Paryaya, Svarupa, Artha and Karma of Manas.
2. Parathormone is an antagonist to calcitonin. Explain.
3. Enumerate the relations between Shleshma, Bala and Ojas.
4. Give details of Sarcotubular system with a diagram.
5. Enumerate Mutrotropatti.
6. Nidra bheda according to Bruhatrayees.
7. Describe about the Blood-brain barrier and its functional utility.
8. Give an account of Pancha-Panchaka and the process of Gnana Grahana
9. Write in detail about Bone remodeling.
10. How will you assess Shuddha Stanya and Dushita Stanya.

III Short Answers:

10×2 = 20

1. Utpatti of Rasa dhatu.
2. Physiological significance of Lipoproteins.
3. Mention the Pramana of Sharirika dhatus.
4. Write the two important functions of Cerebellum.
5. Ojo gunas as per Acharya Charaka.
6. What is Goiter? What is the difference between their types?
7. Vruddhi-Kshaya Lakshanas of Purusha.
8. Neuromuscular junction.
9. Whether Rasa Sara Purusha had been mentioned in Ayurveda or not? State your reasons.
10. Which is called as the 'Life protecting hormone'? Why it has been called so?

[LD 1308]

SUB CODE: 1308

FIRST PROFESSIONAL B.A.M.S DEGREE EXAM - AUGUST 2013

PAPER -X KRIYA SHAREERA-II

Q.P. Code: 641308

Time: Three hours

Maximum:100 Marks

ANSWER ALL QUESTIONS

I Essay Questions:

2×15 = 30

1. Write about the Saptha Dushyas on the following aspects: Vyutpathi, Nirukti, Sthana, Guna, Pramana, Karma, Vridhi – Kshaya Lakshanas and their Pradhanya.
2. Describe the Physiology and applied physiology of the secretions of the major Endocrine glands.

II Short notes:

10×5 = 50

1. Name the Plasma proteins, Write their normal values and collective functions.
2. Write the Suddha and Dushita Lakshanas of Stanya and Artava.
3. Draw a cut section of the Skin and explain the layers as per Ayurveda and Modern.
4. Classify the Muscles and tabulate the properties.
5. Do you feel the concept of Sara is relevant still? State your reasons.
6. What is Basal ganglia? Name the components and specify their functions.
7. Explain about Bala Vruddhikara Bhavas.
8. Classification of the Postural reflexes.
9. Elaborate: 'Musrasya Kledavahanam'.
10. Types, functions and metabolism of Haemoglobins

III Short Answers:

10×2 = 20

1. Write the clinical significance of Manas.
2. Differentiate the types of Nephrons.
3. Differentiate the Malas from Dhatu Malas.
4. Write the applied physiology of Growth hormone.
5. Define Vyadhikhamatvam and specify its types.
6. Mention the Renal function tests.
7. What is the relation among Dhi, Dhriti, Smruti, and Pranja.
8. As per a laboratory investigation report of an adult male the RBC count is 4.1 millions/mm³, PCV is 29% with findings of amlasisira preethi, Sira shaithilya and Rukshata. What is the physiological abnormality in this case.
9. Functions of Vitamin D
10. What are all the components of the so called sixth sense of humans as per modern science.

[LE 1308]

SUB CODE: 1308

FIRST PROFESSIONAL B.A.M.S DEGREE EXAM - FEBRUARY 2014

PAPER -X KRIYA SHAREERA-II

Q.P. Code: 641308

Time: Three hours

Maximum:100 Marks

ANSWER ALL QUESTIONS

I Essay Questions:

2×15 = 30

1. Definition, types and mechanism of Immunity. Incorporate the context with Ayurvedic concepts.
2. Elaborate the mechanism of Formation of urine and explain the process of voiding of urine.

II Short notes:

10×5 = 50

1. Describe the Dhatu Poshana Nyayas.
2. How does a Muscle contraction occur?
3. Whether Rakta dhatu can be honoured as dosha or not? Argue your views.
4. Write the Lakshanas of Manas and Satva Sara Purusha.
5. Functions of Hypothalamus.
6. Ashraya Ashrayi bhava and its clinical significance.
7. Write the Vruddhi Lakshana of Rasadi Dhatus.
8. Write about Samanya Karma, Vridhi, Kshaya Lakshana of Trimalas.
9. Mention the components of Limbic system and its physiology.
10. Nirukti, Lakshana, Sthana, Guna and Karma of Atma.

III Short Answers:

10×2 = 20

1. Define Neuro-endocrine reflex with an example.
2. Manas is called as Ubayendriya. Why?
3. Mention the stages involved in Spermatogenesis.
4. Pancha bhautikaatvam of Raktam.
5. Name the Diabetogenic and anti-diabetogenic hormones.
6. Dhatu malas.
7. Write the normal count of the Blood cells.
8. Nidra is considered as one of the Upashambas Find the reason.
9. Draw a flow chart mentioning the divisions and part of the Nervous system.
10. Whether Mamsa dhatu and Peshi are one and the same or different? Give your comment.

FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION**PAPER X – KRIYA SHAREERA - II***Q.P. Code : 641308***Time: Three hours****Maximum : 100 Marks****Answer All questions****I. Essay Questions:****(2 X 15 = 30)**

1. *Dhatuposhana Nyaya* in Detail with references.
2. Explain in detail the functions of Kidneys, Mechanism of formation of urine and mention the renal function test.

II. Short Notes:**(10 X 5 = 50)**

1. *Ojo Vyapat.*
2. Mutual inter dependence of *Dosha* and *Dushya*.
3. *Mala Kshaya Lakshana.*
4. *Upadhatu* of *Mamsa Dhatu.*
5. *Nidrotpatti* and *Bheda.*
6. Mechanism of Blood Clotting.
7. Regulation of Arterial Blood Pressure.
8. Role of Calcitonin on Bone Metabolism.
9. Types, normal values and functions of Lipo Proteins.
10. Spermatogenesis.

III. Short Answers:**(10 X 2 = 20)**

1. Functions of WBC.
2. Sebaceous Glands.
3. Juxta Medullary Nephrons.
4. Hormones of Adrenal gland.
5. Pulse Points.
6. *Atma Lakshanam.*
7. *Mano Arthas.*
8. *Dhatu malas.*
9. *Majja Vriddhi Kshaya lakshanas.*
10. List of *Srotas* as per *Sushruta.*

FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION

PAPER X – KRIYA SHAREERA - II

Q.P. Code : 641308

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Explain OJAS? Describe its types and explain its importance in the body.
2. Write long essay on Aarthava Chakra Prakriya.

II. Write Notes on:

(10 x 5 = 50)

1. Functions of Follicular Stimulating Hormone (FSH).
2. Describe Manas, its Karma and Guna.
3. Describe Physiology of Sleep.
4. Write about Spermatogenesis.
5. Function of Nephrons.
6. Panchabhautikata of Rakta Dhathu and Rakta Vriddhi Lakshana.
7. Interrelationship between Dosha and Dushya.
8. Explain Roopa Gnana grahana.
9. Asthi Sara Purusha Lakshana.
10. Function and types of Pitta.

III. Short Answers on:

(10 x 2 = 20)

1. Srotodushti Lakshana.
2. Rods and Cones.
3. Spinal Cord.
4. Action of A.D.H.
5. Atma Guna.
6. Endocrine secretion of Pancreas.
7. Lasika.
8. Function of Adipose tissue.
9. Pulse points.
10. Sthanya.

FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION

PAPER X – KRIYA SHAREERA - II

Q.P. Code: 641308

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Essay Questions:

(2 x 15 = 30)

1. *Astavidha Sara Purusha Lakshana.*
2. Haemopoiesis in all detail.

II. Write notes on:

(10 x 5 = 50)

1. *Balavruddhikara Bhava.*
2. *Ashraya Ashrayi bhava.*
3. *Mala Vriddhi Lakshana.*
4. All the *upadhatu* of *Rasa Dhatu*.
5. *Svapnotpattii* and *Bheda*.
6. Composition, types and functions of Bone marrow.
7. Regulation of Heart rate.
8. Role of Paratharmone on Bone metabolism.
9. Morphology, types and functions of Adipose Tissue.
10. Menstrual Cycle.

III. Short answers on:

(10 x 2 = 20)

1. Functions of RBC.
2. Sweat Glands.
3. Cortical Nephrons.
4. Pituitary Gland Hormones.
5. Auscultatory areas.
6. *Atma Gunas*.
7. *Mano Vishaya*.
8. *Dhatu malas*.
9. *Asthi Vriddhi, Kshaya lakshanas*.
10. List of *Srotas* as per *Charaka*.