

## FIRST B.A.M.S DEGREE EXAMINATION – OCTOBER 2013

## PAPER V – KRIYA SHARIR - II

Q.P. CODE : 641355

Time: Three Hours

Maximum: 100 Marks

## ANSWER ALL QUESTIONS

## I. Essay Questions.

(2 x 15 = 30 Marks)

1. Describe as how the knowledge of *Saptha dushya* is useful in the understanding of Ayurveda medicine.
2. Write in nutshell about the functions of Kidney and elaborate the process of Formation of urine.

## II. Short Notes.

(10 x 5 = 50 Marks)

1. Write about the different *Dhatu poshana nyaya*.
2. Mutual inter-dependance of *Dosha* and *Dushya* as per Acharya Vagbhata.
3. Mention the features and scope of *Majjasara purusha*.
4. Differentiate: *Svapnabheda* and *Nidrabheda*.
5. Write the importance of knowledge about *Balavidhikara bhava*.
6. Narrate the functions of Adrenal medullary hormones.
7. Describe the Erythropoiesis in sequence.
8. Detail the significant functions of Cardiac muscles.
9. Explain the role of Growth hormone on body's growth.
10. Explain the physiology of Spermatogenesis.

## III. Short Answers.

(10 x 2 = 20 Marks)

1. *Dasa Ojo Guna*.
  2. Complete the following reference: *Vyadhikshamatwam naama....*
  3. Brief on *Rasa samvahana*.
  4. Establish: *Atma niroopanam*.
  5. Note about *Mamsavaha srotas*.
  6. Write about T-cell mediated immunity.
  7. Write the normal values of Plasma proteins.
  8. Indicate the usefulness of Electrocardiogram in clinical practice.
  9. Mention the Auscultatory areas of Cardio vascular system.
  10. Mean corpuscular volume is higher than normal with Mean corpuscular haemoglobin concentration of 25%. What is your interpretation?
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[SUB. CODE 1355]

**FIRST B.A.M.S DEGREE EXAMINATION – APRIL 2014**

**PAPER V – KRIYA SHARIR - II**

***Q.P. CODE : 641355***

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer All Questions**

**I. Essay Questions.**

**(2X15=30)**

1. Write about the Ojas on the following aspects: (a) Nirukti (b) Utpatti (c) Sthana and Guna (d) Bheda and Pramana (e) Karma (f) Vriddhi lakshana (g) Kshaya lakshana (h) Ojo vikara (i) Ojo-bala sambandha.
2. Narrate the physiological significance of Thyroid hormones.

**II. Short Notes.**

**(10X5=50)**

1. Write about the *Upadhatu* of *Mamsa Dhatu*.
2. *Mutra Vijnana* as per *Ayurveda*.
3. *Rakta Vriddhi Kshaya Lakshanas*.
4. Mutual interdependence of *Doshas* and *Dushyas* as per *Astanga Hrudayam*.
5. *Lakshana, Guna, Karma, Vishaya and Artha* of *Manas*.
6. Functions of Plasma Proteins.
7. Explain the basis of Excitation Contraction Coupling.
8. Give a brief account of Menstrual cycle.
9. Write about the regulation of Heart rate.
10. Describe the Electro-physiology of Electrocardiogram.

**III. Short Answers.**

**(10X2=20)**

1. List out the *Dhatu Poshana Nyayas*.
2. *Rasotpatti*.
3. *Pancha Bhoutikatwam* of *Rakta Dhatu*.
4. *Vriddhi* and *Kshaya Lakshana* of *Sukra Dhatu*.
5. Name the *Pancha Jnanendriyas*.
6. Composition of Blood Plasma.
7. Functions of Adipose tissue.
8. Functions of Skin.
9. Cardiac Murmurs.
10. Enlist the normal and abnormal ingredients of urine.

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**FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION****PAPER IV – KRIYA SHARIR - II***Q.P. Code : 641355***Time: Three Hours****Maximum: 100 marks****Answer ALL Questions****I. Essay Questions:****(2 x 15 = 30)**

1. Elaborate *Astavidha Saara Purusha Lakshanas*.
2. Write about Haemopoiesis in all detail.

**II. Write notes on:****(10 x 5 = 50)**

1. *Dhatuposhana Nyayas*.
2. *Ashraya Ashrayibhava*.
3. *Mamsa DhatuVridhi, Kshayalakshanas*.
4. All the *Upadhatu* of *Rasa Dhatu*.
5. *OjoBheda and Vikaras*.
6. Mechanism of Blood Clotting.
7. Physiology of Muscle Contraction.
8. Spermatogenesis.
9. Functions of Growth Hormone.
10. Morphology, types and functions of Adipose Tissue.

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

1. *Dhatumalas*.
2. *AtmaLakshanam*.
3. *Nidrotpatti*.
4. *SvedavahaSrotas*.
5. *Gnanendriyas*.
6. Functions of Blood.
7. Hypersensitivity.
8. Arterial pulse.
9. Stages of Urine formation.
10. Classification of Hormones.

**FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION****PAPER IV – KRIYA SHARIR - II***Q.P. Code : 641355***Time: Three Hours****Maximum: 100 marks****Answer ALL Questions****I. Essay Questions:****(2 x 15 = 30)**

1. Write in detail about *Ojas* with references.
2. Explain Arterial Blood Pressure in all aspects.

**II. Write notes on:****(10 x 5 = 50)**

1. *Rasotpatti and Samvahanam.*
2. *Panchabhoutikatwam of Rakta and its Karma.*
3. *SukradhatuVridhhi, Kshayalakshanas.*
4. *Mamsa Saara Purushalakshanas.*
5. *Purishavaha Srotas.*
6. Importance of Plasma Proteins.
7. Mechanism of Innate Immunity.
8. Cardiac cycle.
9. Micturition Reflex.
10. Functions of Cortisol.

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

1. *Shuddha Sukra Lakshana.*
2. *Dushta Stanya Lakshana.*
3. *Mano Vishayas.*
4. *Svapna Bheda.*
5. *Nidra Bheda.*
6. Functions of Skin.
7. Functions of Triglycerides.
8. Define Spermiogenesis.
9. Endocrine glands.
10. Blood Incompatibility.

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

**PAPER IV – KRIYA SHARIR - II**

*Q.P. Code : 641355*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL Questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain about Upadhatus of Rasa Dhatu.
2. Explain Immunity with Classification & Different Mechanisms involved in Immunity.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Explain - Rasa Dhatu.
2. Shuddha Shukra Lakshana with their Kshaya and Vriddhi Lakshana.
3. Dhatu Poshana Nyayas.
4. Concept of Aashraya-Aashrayi bhava.
5. Disorders of Ojas.
6. Describe Cardiac Cycle.
7. Physiology of Urine Formation.
8. Functions of Skin and Sweat Gland.
9. Development and Functions of RBC; WBC and Platelets.
10. Description of Ovulation.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Write about Rakta Kshaya and Vridhi Lakshanas.
2. Vyadhikshamatva - Definition.
3. Write about Atma Gunas.
4. Physiology of Srotrendriyam.
5. Write about Dhatu Malas.
6. Write About T-Cell Mediated Immunity.
7. Physiology of Muscle Contraction.
8. Functions of Bone Marrow.
9. Write About Control of Micturition.
10. Definition of Endocrine Gland.

**FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION****PAPER V – KRIYA SHARIR - II***Q.P. Code :641355***Time: Three Hours****Maximum : 100 Marks****Answer all Questions****I. Essay Questions:****(2 x 15 = 30)**

1. Describe briefly about Ojas including disorders of Ojas.
2. List the Endocrine Glands and their hormones. Explain about Anterior and Posterior Pituitary Hormones.

**II. Write Notes on:****(10 x 5 = 50)**

1. Write about Rasa dhathu.
2. Describe each type of Dhatu Malas.
3. Write about Manas including Mano Vishayas.
4. Write about Nidra.
5. Explain about Three Malas.
6. Explain Haemopoiesis.
7. Write in short the physiology of muscle contraction.
8. Explain Physiological Basis of E.C.G.
9. Explain Menstrual Cycle; Phases and Hormone Influences in each phase?
10. Explain Renal Functions.

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

1. *Raktha Dhatu Kshaya and Vruddhi Karma.*
2. Ksheera - dadhi Nyaya.
3. Write about Shuddha Shukra Lakshanam.
4. Aashraya –Aashrayi Bhava –Short Note.
5. Write about Atma Gunas.
6. Write about Acquired Immunity.
7. Write Normal Value Of Systolic and Diastolic Pressure, Heart Rate and Temperature.
8. Functions of Sebaceous Gland.
9. Arterial Pulse – Define.
10. What is meant by Lipoproteins and write the names of it?

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**FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION****PAPER V – KRIYA SHARIR - II***Q.P. Code :641355***Time: Three Hours****Maximum : 100 Marks****Answer all Questions****I. Essay Questions:****(2 x 15 = 30)**

1. *Nirukti, Paryaya, Sthana, Guna, Utpatti, Pramana, Panchabhoutikatwa, Karma, Vriddhi, Kshaya and Saara Purushalakshanas of RaktaDhatu.*
2. Physiology of all endocrine glands and their functions.

**II. Write Notes on:****(10 x 5 = 50)**

1. Explain *Aharamalas*.
2. Write about *Ubhayendriya*.
3. *Majja Saara Purusha Lakshanas*.
4. *Balavruddhikara Bhava*.
5. *Atma Niroopanam*.
6. Regulation of Arterial Blood Pressure.
7. Menstrual Cycle.
8. Mechanism of Defecation.
9. Functions of Thyroid Hormones.
10. Composition, types and functions of Bone marrow.

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

1. *Vriddhi, Kshayalakshanas of Medo Dhatu.*
2. Mention the *Dhatumalas*.
3. Mention the *Upadhatus*.
4. Types of *Srotas*.
5. *Ojo Gunas*.
6. Properties of Blood.
7. Sweat Glands.
8. Cardiac Murmurs.
9. Anti-Coagulants.
10. Skeletal Muscle Properties.

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**FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION****PAPER V – KRIYA SHARIR - II***Q.P. Code :641355***Time: Three Hours****Maximum : 100 Marks****Answer all Questions****I. Essay Questions:****(2 x 15 = 30)**

1. Explain in detail the physiology of Urinary tract and the process of Micturition.
2. Describe the Rasa Dhatu in detail.

**II. Write Notes on:****(10 x 5 = 50)**

1. Describe Ashtavidha Sara.
2. Describe Upadhatu in detail.
3. Explain about classification and characteristics of hormones.
4. Explain physiological significance of *Nidra*.
5. Characteristics of existence of *Atma*.
6. Explain about *Sthana, Guna, Vishaya* of *Manas*.
7. Structure and functions of Hemoglobin.
8. Physiology of Sebaceous glands.
9. Explain about *Oogenesis*.
10. Explain about Cardiac cycle.

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

1. Functions of *Manas*.
2. *Nirukti* of *Purisha* and *Sweda*.
3. Calcitonin.
4. *Shuddha sukra Lakshanas*.
5. ECG.
6. Hypothalamus.
7. *Ojokshaya*.
8. LDL and HDL.
9. *Aharamalas*.
10. Define Ojas.

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**FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION****PAPER V – KRIYA SHARIR - II***Q.P. Code :641355***Time: Three Hours****Maximum : 100 Marks****Answer all Questions****I. Essay Questions:****(2 x 15 = 30)**

1. Explain in detail the physiology of *Artavavaha srotas* and *Stanya*.
2. Describe in detail about muscle physiology.

**II. Write Notes on:****(10 x 5 = 50)**

1. Describe different theories related to *Dhatuposhana*.
2. Mechanism of defecation.
3. Explain about *Ojas* and write the classification.
4. Explain regulation of cardiac output and venous return.
5. Explain about *Sthanya* as *upadhātu*.
6. Explain about *Tvak* and its functions.
7. *Haemopoiesis*.
8. Physiology of Adipose tissue.
9. Explain about *Spermatogenesis*.
10. Explain about *Physiology of Swedavahasrotas*.

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

1. Define *Manas*.
2. *Nirukti of Mala and Dhatu*.
3. Lipoproteins.
4. *Shuddha arthava Lakshanas*.
5. Sebaceous gland.
6. Ovulation.
7. *Ojovisramsa*.
8. Vitamin – D.
9. *Dhatumalas*.
10. Types of Immunity.

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

**PAPER V – KRIYA SHARIR - II**

*Q.P. Code :641355*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer all Questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain in detail the physiology of female reproductive systems.
2. Describe the Panchagyanendriya in detail.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Explain about physiology of Limbic system.
2. Describe the physiology of endocrine glands.
3. Describe – Haemopoiesis.
4. Explain characteristics of *Mamsasarapurusha*.
5. Relation between *Bala* and *Ojas*.
6. Explain about the physiology of muscle contraction.
7. Structure and functions of Skin.
8. Physiology of *Purishavaha srotas*.
9. Explain about *Ashraya – Ashrayi*.
10. Explain about characteristics of Shukra Dhatu.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. *Dhatumala*.
2. *Define Svapna*.
3. Artava lakshanas.
4. *Anticoagulants*.
5. Blood groups.
6. Parathormone.
7. *Rakhta Dhatu vridddhi lakshanas*.
8. Enumerate *Upadhatus*.
9. *Hypersensitivity*.
10. Types of Adipose tissue.

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[LN 1355]

OCTOBER 2018

Sub. Code: 1355

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

**PAPER V – KRIYA SHARIR - II**

*Q.P. Code :641355*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer all Questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Write in detail about the excretory system and describe the formation of faeces.
2. Explain in detail about Upadhatus, their functions and significance.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Write in detail about Asthi Dhatu.
2. Write about Arthava in detail.
3. Explain Tvak and its Significance.
4. Write about Sveda Vaha Srotas in detail.
5. Describe Nidrothpaththi and types of Nidra.
6. Describe the mechanism of Blood Clotting.
7. Explain the physiology of Cardiac Muscle.
8. Explain T-Cell immunity in detail.
9. Write about arterial blood pressure and its regulation.
10. Explain Adipose tissue and Lipo-proteins.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. What are the functions of Skin?
2. Describe the functions of WBC.
3. Explain the significance of Bone marrow.
4. Write about Ojo Guna.
5. Write about Rasa Vaha Srotas Prakruta Karma.
6. Enumerate Shuddha Sthanya Lakshanas.
7. Explain Mano vaha Srotas.
8. Write about Blood Groups.
9. Write about Heart Sounds.
10. Explain the physiology of Muscle Contraction.

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[LO 1355]

MAY 2019

Sub. Code: 1355

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

**PAPER V – KRIYA SHARIR - II**

*Q.P. Code :641355*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer all Questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain in detail the physiology of Cardio Vascular System and the process of Cardiac Cycle.
2. Write in detail about Ashta Saara Purusha Lakshanas explaining each in detail.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Write in detail about Rakta Dhatu.
2. Write about Stanya in detail.
3. Write about Ojo Vikaras.
4. Explain Mutra vaha Srotas in detail.
5. Describe Svapnotpaththi and types of Svapna.
6. Describe Haemopoiesis in detail.
7. Explain about Hypersensitivity.
8. Write about Humoral Immunity in detail.
9. Write about Heart rate and its regulation.
10. Explain the formation of Urine.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Functions of Adipose Tissue.
2. Functions of RBC.
3. Explain Cardiac output.
4. What are the functions of Sebaceous Glands?
5. Describe Shuddha Arthava Lakshanas.
6. Write about Insulin Functions.
7. Write about Rakta Vaha Srotas Prakruta Karma.
8. Explain Vyadhi Kshamatva.
9. Write about the classification of Bala.
10. Explain Mano Vishayas.

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[LP 1355]

OCTOBER 2019

Sub. Code: 1355

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

**PAPER V – KRIYA SHARIR - II**

*Q.P. Code :641355*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer all Questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain in detail the physiology of Urinary tract and the process of Micturition.
2. Write in detail and Ojas, its types, function and Ojas – Bala Sambandha in detail.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Write in detail about Rasa Dhatu.
2. Explain Ashraya – Ashrayi Bhava.
3. Physiology of Medo Vaha Srotas.
4. Enumerate the process of formation of Ahara Mala.
5. Write about Atma in detail.
6. Composition and functions of Bone marrow in detail.
7. Describe Smooth muscle Physiology.
8. Write about types of Immunity.
9. Regulation of Cardiac output.
10. Explain the mechanism of defecation.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Functions of Sweat.
2. Functions of Blood.
3. Cardiac Regulation.
4. Swapna Bheda.
5. Concept of Peshi.
6. Shuddha Shukra Lakshana.
7. Write about Thyroid functions.
8. Write about Mutra Vaha Sroto Prakruta Karma.
9. Bala Vruddhikara Bhava.
10. Dhatu mala.

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