

GUJARAT AYURVED UNIVERSITY, JAMNAGAR.
BACHELOR OF NATUROPATHY AND YOGA SCIENCES - (B.N.Y.S.)

FIRST YEAR EXAMINATION APRIL-2019

SANSKRUTA EVAM SIDDHANTA

Date :- 25-04-2019
Thursday

Time :- 10:00 a.m. to 01:00 p.m.
Total Marks :- 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Describe the उच्चारण स्थान (articulatory places) and प्रयत्न (effort). 10
2. How many विभक्तिः are there? Explain पञ्चमीविभक्तिः. 10

OR

Defining participle, describe its types and give their suitable example.

3. Write short notes on any **Four** of the following : 20

- A. Explain the classification of vowels.
- B. Give the Sanskrit word for the following:
1. Pig 2. Elephant 3. Peacock 4. Brother 5. Husband
- C. Find out of the verbs from the following sentences and identify them.
1. बालिका मधुरं गायति ।
2. मेघः आकाशे गर्जति ।
3. त्वं पर्वते खादसि ।
4. वने मृगाः धावन्ति ।
5. सः कुत्र गच्छति ?
- D. Write all the three forms of the roots as directed:
1. क्रीड् – future tense third person (अन्य पुरुष)
2. पिब् – present tense first person (उत्तम पुरुष)
3. स्मृ – present tense second person (मध्यम पुरुष)
4. लिख् – imperative second person (मध्यम पुरुष)
5. गम् – future tense third person (अन्य पुरुष)
- E. Prepare one sentence from each of the following verbs:
1. खादतु 2. पठिष्यामि 3. पश्यति 4. पठथः 5. अपिबम्

4. Answer any **Five** of the following :(two to three sentences) 10

- A. How many Matra are there in ह्रस्व, दीर्घ & प्लुत.
- B. Make one sentence each using the adjectives श्याम and श्वेत.
- C. Write first three Maheshwar Sutras.
- D. Write the form of future tense in second person of the following roots:
1. वद् 2. धाव् 3. पत् 4. वन्द्
- E. Write the form of the following roots as directed:
1. दृश् (पश्य) - present tense first person (उत्तमपुरुष).
2. दण्ड् – future tense second person (मध्यम पुरुष).
- F. Make one sentence each using the indeclinable यदा and तदा.

[P.T.O.]

SECTION-B

5. Describe classification of DRAVYA. 10
6. Write an essay on "PRAMANA" 10

OR

What are "MAHABHUTAs" ? Explain.

7. Write short notes on any Four of the following : 20
A. How many PADARTHA are described in Ayurveda? Briefly explain any two.
B. Differences between SAMANYA and VISHESHA
C. DISHA
D. PRATYAKSHA
E. Characteristics of "ANUMANA"

8. Answer any Five of the following :(two to three sentences) 10
A. Define DRAVYA.
B. Define PRAMATA.
C. Define KALA
D. Define AYU.
E. Define PRAMEYA.
F. Enlist the books of LAGHUTRAYI.

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HUMAN ANATOMY - 1

Date :- 26-04-2019
Friday

Time :-10:00 a.m. to 01:00 p.m.
Total Marks :- 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Define Sandhi and Explain in Detail Knee Joint. 10
 2. Enlist the organs of Respiratorysystem and Explain lungs in detail. 10
- OR**
- Describe Peshi & Snayu in Eastern concept.
3. Write short notes on any **Four** of the following : 20
 - A. Garbha vriddhikarbhava.
 - B. Humerus Bone.
 - C. Masanumasika vriddhi.
 - D. Types of Bone.
 - E. Hamstrings'.
 4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Significance of the Sternum Bone.
 - B. Name of the Tarsal Bones.
 - C. Name of Cartilages of Larynx.
 - D. Give Number of Bones according to ancient Vedas.
 - E. How many Pleural membrane are present around lungs.
 - F. Define SHARIRA.

SECTION-B

5. Explain Heart in detail. 10
 6. Enlist the Organs of digestive system and write about Pancreas. 10
- OR**
- Explain Lymphatic system and Describe Spleen.
7. Write short notes on any **Four** of the following : 20
 - A. Gall bladder.
 - B. Amashaya.
 - C. Rectum.
 - D. composition of blood.
 - E. Peritoneum
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Write the location of Liver.
 - B. What is characteristic of Suddha Rakta Lakshana.
 - C. Enlist the branches of Aorta.
 - D. Write the length of Oesophegus.
 - E. What is meant by SHIRA.
 - F. Enlist the Parts of large Intestine.

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HUMAN ANATOMY - 2

Date :- 27-04-2019
Saturday

Time :-10:00 a.m. to 01:00 p.m.
Total Marks :- 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Write the Definition of Marma and describe Sadhya Pranahara Marma. 10
 2. Describe Female Genital organs and Describe Uterus. 10
- OR**
- Describe male reproductive system.
3. Write short notes on any **Four** of the following : 20
 - A. Anajali Pramana
 - B. Pitutary gland.
 - C. Overy.
 - D. Vaikalyakarmarma.
 - E. Kidney.
 4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Write the types of Nephrons.
 - B. Write the Location of Thymas gland.
 - C. Enlist the External Genital organ of female.
 - D. Define Rujakar Marma.
 - E. Enlist the Endocrine gland.
 - F. Write the average height of human body according to Anguli pramana.

SECTION-B

5. Define Srotasa and Describe Pranvaha Srotasa. 10
 6. Describe the structure of ear. 10
- OR**
- Describe the structure Eye.
7. Write short notes on any **Four** of the following : 20
 - A. Skine.
 - B. Cranial nerve.
 - C. Shat chakras.
 - D. Tongue.
 - E. Hypothelemus.
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define Indriya.
 - B. Enlist the name of Layers of skin according to Sushruta Smhita.
 - C. State the papillaes present on upper surface of the tongue.
 - D. Enlist the Karmendriya.
 - E. Write the Mulas of Udakvaha Srotasa.
 - F. Enlist the Sandhis of Eye.

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HUMAN PHYSIOLOGY - 1

Date :- 29-04-2019
Monday

Time :-10:00 a.m. to 01:00 p.m.
Total Marks :- 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Write an essay on "Vata." 10
 2. Define and describe "Dhatu." 10
- OR**
- Write an essay on "Mala."
3. Write short notes on any **Four** of the following : 20
 - A. What is bio-electrical potential? Briefly explain.
 - B. Describe the importance of body fluids.
 - C. Explain the relation between Chestavaha Srotas and Manas.
 - D. What is membrane? Describe its functions.
 - E. Write a short note on Bodhaka Kapha.
 4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Enlist Bhutagni.
 - B. Enlist Pitta.
 - C. What is Homeostasis?
 - D. Enlist Mala.
 - E. What is Dhatuposhana? Write the names of Dhatuposhana Nyaya.
 - F. Enlist Sattvik Manas Prakruti.

SECTION-B

5. Write an essay on Ahar Parinam Kara Bhava. 10
 6. Describe "Muscle." 10
- OR**
- Describe "Cardiac Cycle."
7. Write short notes on any **Four** of the following : 20
 - A. Anaemia.
 - B. Thalamus.
 - C. Digestion in large intestine.
 - D. Portal Circulation.
 - E. Blood pressure.
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Enlist the functions of Pancreas.
 - B. Classify Nerve conduction.
 - C. Define Nistha Paka.
 - D. Enlist Ahar Parinam Kara Bhava.
 - E. What is negative feedback system?
 - F. What is Plasma Protein?

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FIRST YEAREXAMINATION APRIL-2019

HUMAN PHYSIOLOGY - 2

Date :- 30-04-2019
Tuesday

Time :-10:00 a.m. to 01:00 p.m.
Total Marks :- 100

- Instructions: 1. Everyquestion is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Explain about the functional anatomy of Ovary. 10
2. Concise about the Endocrine functions of Anterior Pituitary lobe. 10

OR

Explain about the chemical regulation of respiration.

3. Write short notes on any **Four** of the following : 20
 - A. Explain the functional anatomy of lungs.
 - B. Explain the physiology of Pineal gland.
 - C. Mention the physiological base for laboratory tests of ovulation.
 - D. Mention the normal functions of calcitonin hormone.
 - E. Explain about the proliferatory and growth stage of spermatogenesis process.
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Mention the temperature regulatory centre.
 - B. Mention the normal functions of Skin.
 - C. Mention the male accessory sex organs.
 - D. Mention the normal volume of the Alveolar Ventilation.
 - E. Mention the hormones of Adrenal medulla gland.
 - F. Mention the composition of semen?

SECTION-B

5. Explain about the "*Karmendriya*" and "*Jnanendriya*" functions. 10
6. Explain about the Physiology of Sleep. 10

OR

Explain the physiology of Immunity.

7. Write short notes on any **Four** of the following : 20
 - A. Explain about the physiology of smell.
 - B. Explain the functions of *Shatchakra*'s.
 - C. Explain about the Physiology of Speech intellectual activity.
 - D. Explain the functions of Parasympathetic nervous system.
 - E. Explain about the hearing pathway.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define the term receptor.
 - B. Mention the location of "*Pingala nadi*".
 - C. Define the term "*OJA*".
 - D. Mention the Cranial nerve which involved in Taste.
 - E. What is a reflex arc?
 - F. Mention the types of "*Bala*"?

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FIRST YEAREXAMINATION APRIL-2019

BIO-CHEMISTRITY

Date :- 01-05-2019

Time :-10:00 a.m. to 01:00 p.m.

Wednesday

Total Marks :- 100

- Instructions: 1. Every question is compulsory
2. Every question bears the marks written on the right side

SECTION - A

1. Write a detailed note on classification of proteins [10]
2. Write a note on citric acid cycle [10]

OR

Write a note on Glycolysis.

3. Write short notes on any **Four** of the following: [20]
A. Nitrogen balance
B. Passive transport mechanisms
C. Classification of enzymes
D. Diabetes mellitus
E. Classification of Carbohydrates
4. Answer any **Five** of the following (two to three sentences) [10]
A. Enlist the functions of cell membrane?
B. What are the various biological roles of lipids?
C. What are the symptoms of ketoacidosis?
D. What are amino acids? Give examples.
E. Define fatty liver.
F. Define and give examples of biomolecules.

SECTION - B

5. Write a note on liver function test. [10]
6. Describe the chemistry, sources, RDA and functions of vitamin A and vitamin E. [10]

OR

Write a note on Kidney function test.

7. Write short notes on any **Four** of the following: [20]
A. Genetic code
B. Calcium as a micro nutrient
C. Marasmus
D. Phase I reactions of xenobiotics
E. Structure of DNA
8. Answer any **Five** of the following (two to three sentences) [10]
A. Define alkalosis.
B. What is the importance of phosphorus and iodine in the body?
C. What are the functions of mRNA and tRNA
D. What is the importance of vitamin B₆ in the body?
E. Define BMR.
F. Define cancer.

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HISTORY OF YOGA AND NATUROPATHY

Date :- 02-05-2019
Thursday

Time :-10:00 a.m. to 01:00 p.m.
Total Marks :- 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Describe the concept of Yoga according to Gheranda Samhita. 10
 2. Write a detail introduction to Patanjala Yoga Sutra. 10
- OR**
- Describe the objectives and importance of Yoga.
3. Write short notes on any **Four** of the following : 20
 - A. Write a short notes on : A.P.M.B by Bihar School of Yoga.
 - B. Describe the role of AYUSH in standardization of Yogic Practices.
 - C. Write the life sketch of Ramkrushna Paramhamsa.
 - D. Write a short notes on : Light on Pranayama by B.K.S Iyengar
 - E. Write a short notes on : Yoga Philosophy and Religion by S. N. Dasgupta.
 4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Write time period and author of Light on Yoga.
 - B. Enlist works of AYUSH in field of Yoga & Naturopathy.
 - C. Name any three works of Shivananda Ashrama - Rishikesh.
 - D. Write any two definitions of Yoga according to Shrimad Bhagvad Geeta.
 - E. Enlist any four texts published by Kaivalyadhama - Lonavala.
 - F. Write the full form name of M.P.I.Y.N.E.R.

SECTION-B

5. Define Nisargopachara, describe the form of Nisargopachara in Vedic era. 10
 6. Give the detail introduction of any leading institution of Nisargopachara. 10
- OR**
- Describe the contribution of Dr. E. D. Babbit to the field of Naturopathy.
7. Write short notes on any **Four** of the following : 20
 - A. Write a short note on : Life sketch of Louis Kuhne in the field of Naturopathy.
 - B. Life sketch of Arnold Rickley.
 - C. Write the importance of Nisagopachara in Recent era.
 - D. Contribution of M. K. Gandhi in the field of Naturopathy.
 - E. Write the short introduction of book 'Return to Nature'.
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. What is the meaning of word 'Nisarga'?
 - B. Write the author of book ' Impaired health and my water care'.
 - C. Write the full form and place of SVYASA.
 - D. Enlist the works of Dr. E. D. Babbit.
 - E. Enlist the books written by Vincent Priessnitz.
 - F. Write the year of establishment and place of NIN, Pune.
