

GUJARAT AYURVED UNIVERSITY, JAMNAGAR.
BACHELOR OF NATUROPATHY AND YOGA SCIENCES - (B.N.Y.S.)
FIRST YEAREXAMINATION APRIL-2018
SANSKRUTA EVAM SIDDHANTA

Date :- 16-04-2018
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. Explain अच् प्रत्याहार and हल् प्रत्याहार with the help of place (स्थान) and effort (प्रयत्न) in detail. 10
2. How many विभक्तिः are their ? Explain any two among them in detail. 10

OR

Explain the total number of लकार use in Sanskrit language with their names and uses giving suitable examples of any five of them.

3. Write short notes on any **Four** of the following : 20
- A. Differentiating between विभक्तिः and कारक, enumerate and enlist the कारक.
- B. Give the Sanskrit word for the following:
1. Camel 2. Sun 3. Cat 4. Wife 5. Brother
- C. Find out of the verbs from the following sentences and identify them.
1. सर्वे भद्राणि पश्यन्तु ।
2. मेघः आकाशे गर्जति ।
3. सर्वत्र वर्षा पतन्ति ।
4. मार्गे अश्वाः धावन्ति ।
5. विनय सुखाय भवति ।
- D. write all the three forms of the roots as directed:
1. गम् – future tense third person (अन्य पुरुष).
2. पठ् – present tense second person (मध्यम पुरुष).
3. पच् – present tense second person (मध्यम पुरुष)
4. नी- नय् – imperative third person (अन्य पुरुष).
5. क्रीड् – future tense third person (अन्य पुरुष).
- E. Prepare one sentence from each of the following verbs:
(A) पठन्तु (B) गच्छतु (C) पठानि (D) पठसि (E) ददाति
4. Answer any **Five** of the following :(two to three sentences) 10
- A. Write first two Maheshwar Sutras.
- B. Make one sentence each using the adjectives रम्य and हरतिः.
- C. Make one sentence each using the indeclinable किन्तु and तत्र.
- D. Write the form of present tense in second person of the following roots:
1. वस् 2. अट् 3. पत् 4. वन्द्
- E. Give detail identification of the forms :
1. अपठन् 2. वन्दताम्
- F. Give two example of Avyaya with their meaning.

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HUMAN ANATOMY - 1

Date :- 17-04-2018
Tuesday

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

- Instructions: 1. Every question is compulsory.
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SECTION-A

1. Enlist the name of organs of respiratory system and Describe Lungs in detail. 10
2. Define Garbha and Describe the Masanumasika Virddhi. 10

OR

Define Sarira and Sharira and give significance of study of Sharira Rachana.

3. Write short notes on any **Four** of the following : 20
A. Write short note on: Humerus Bone.
B. Write short note on: Peshi and Snayu.
C. Write short note on: Knee Joint.
D. Write short note on: Thoracic cavity.
E. Write short note on: Types of Bone.
4. Answer any **Five** of the following :(two to three sentences) 10
A. Define Alvolie.
B. According to Sushrut Samhita, How many bones are present in human body.
C. Enlist the types of muscles.
D. Write the Name and Location of Smallest Bone in Human body.
E. Name the Contractile and Functional Unit of Muscle Fibres.
F. Enlist the Name of Organs of respiratory tract.

SECTION-B

5. Enlist the Organs of the Digestive system and Describe the stomach. 10
6. Explain the Heart In detail. 10

OR

Describe the composition of Lymph, lymphatic system and spleen.

7. Write short notes on any **Four** of the following : 20
A. Write short note on: Rakta.
B. Write short note on: Small Intestine.
C. Write short note on : Pancreas
D. Write short note on: Gall Bladder.
E. Write short note on: Rectum and Anus.
8. Answer any **Five** of the following :(two to three sentences) 10
A. Write the types of Leucocytes.
B. What is meant Dhamani ?
C. Write the location of Appendix.
D. What is meant by "Unduka."
E. Give composition of Plasma
F. Name the types of salivary gland and their location.

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HUMAN ANATOMY - 2

Date :- 19-04-2018
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. Enlist the name of endocrine glands and Describe thyroid gland. 10
2. Describe Female Genital organs and Describe fallopian tube. 10

OR

Write about male Genital organs and Describe Scrotum.

3. Write short notes on any **Four** of the following : 20
A. Trimarma.
B. Anajali Pramana
C. Yoni.
D. Vishalyaghnarma.
E. Urinary bladder.
4. Answer any **Five** of the following :(two to three sentences) 10
A. Enlist the External Genital organ of female.
B. Write the Location of adrenal gland
C. Define Kalantar Pranhara Marma.
D. Write the mean capacity of Urinary bladder.
E. Enlist the name of Exocrine gland.
F. Draw the location of Pancreas

SECTION-B

5. Write the definition, types and importance of Srotasa. 10
6. Describe the structure of Tongue. 10

OR

Describe the structure Nose.

7. Write short notes on any **Four** of the following : 20
A. Sympathetic nerve
B. Eye
C. Shat chakras
D. Cranial nerve
E. Skine
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 papillae present on upper surface of the tongue.
D. Enlist the Karmendriya.
E. Write the Mulas of Sukravaha Srotasa.
F. Enlist the Mandalas of Eye.

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HUMAN PHYSIOLOGY - 1

Date :- 20-04-2018
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. Write an essay on "Dhatu." 10
2. Define "Prakruti" and write about characteristics of Kapha Prakruti in detail. 10

OR

Write an essay on "Srotas."

3. Write short notes on any **Four** of the following : 20
A. Describe western concept of physiology.
B. What is "Bhutagni"? Explain.
C. Explain the relation between Sharira and Manas.
D. What is homeostasis? Explain.
E. Write a short note on Sadhaka Pitta.
4. Answer any **Five** of the following :(two to three sentences) 10
A. Enlist Karma of Mana.
B. Enlist Vata.
C. Enlist Agni.
D. Define Kaya.
E. Define physiology.
F. Enlist Tamas 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. Functions of CSF.
B. Blood Grouping.
C. Pancreas.
D. Pulmonary Circulation.
E. Neuron.
8. Answer any **Five** of the following :(two to three sentences) 10
A. What is Nisthapaka? Define.
B. What is Haemoglobin?
C. What is Anti coagulation?
D. Classification of Nerve fibre on the Basis of their functions.
E. What is negative feedback system?
F. What is Immunoglobulin? Define.

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FIRST YEAREXAMINATION APRIL-2018

HUMAN PHYSIOLOGY - 2

Date :- 21-04-2018
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. Define endocrine system and describe the functions of adrenal gland. 10
2. Write an essay on physiology of male reproductive system. 10

OR

Describe the physiology of menstruation cycle.

3. Write short notes on any **Four** of the following : 20
A. Mechanism of sweating.
B. Hormones of pituitary gland.
C. Thymus gland.
D. Veeryotpatti.
E. What is hypothyroidism? Enlist the symptoms of hypothyroidism in adult.
4. Answer any **Five** of the following : (two to three sentences) 10
A. Enlist the organs of Respiratory system.
B. Define sex determination.
C. Define fertilization.
D. Enlist the hormones of pancreas.
E. Define bio-synthesis.
F. Enumerate the hormones of pineal gland.

SECTION-B

5. Describe the functions of sympathetic and para-sympathetic nervous system. 10
6. Explain the physiology of vision. 10

OR

Describe in detail about Bala.

7. Write short notes on any **Four** of the following : 20
A. Regulation of body temperature.
B. Muladhara Chakra.
C. Anahata Chakra.
D. Reticular formation.
E. Pingala.
8. Answer any **Five** of the following : (two to three sentences) 10
A. Give the full form of EEG.
B. Functions of Karmendriya.
C. Define plexus.
D. Classify Oja.
E. Define immunity.
F. What is pyrexia ?

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FIRST YEAREXAMINATION APRIL-2018

BIO-CHEMISTRITY

Date :- 23-04-2018
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. Define and write the classification of carbohydrates. 10
 2. Write a note on factors affecting enzyme activity. 10
- OR**
- Describe TCA cycle.
3. Write short notes on any **Four** of the following : 20
 - A. Structural organization of proteins.
 - B. Ketone bodies.
 - C. Nitrogen balance.
 - D. Metabolic effects of insulin and glucagon.
 - E. Structure and functions of nucleus and mitochondria.
 4. Answer any **Five** of the following :(two to three sentences) 10
 - A. What is active transport ? Give examples.
 - B. What are isoenzymes ? Give examples.
 - C. Define lipids. Give examples.
 - D. What are the symptoms of fatty liver ?
 - E. What are lipoproteins.
 - F. Types and role of Endoplasmic reticulum.

SECTION-B

5. Describe in detail the structure of DNA. 10
 6. Write a note on fat soluble vitamins. 10
- OR**
- Write a note on Liver function test.
7. Write short notes on any **Four** of the following : 20
 - A. RNA and the types.
 - B. Calcium as a micronutrient.
 - C. BMR.
 - D. Biochemical characteristics of cancer.
 - E. Oxidative phosphorylation.
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. What are xenobiotics ? Give examples.
 - B. Define PEM. Give examples.
 - C. Define acidosis and alkalosis.
 - D. What is genetic code ?
 - E. Write the role of Biotin in the body.
 - F. What is a balanced diet ?

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HISTORY OF YOGA AND NATUROPATHY

Date :- 24-04-2018
Tuesday

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 in detail the Yogas given by Swami Vivekanand . 10
2. Give definition and development of Yoga in abroad. 10

OR

Contribution of Shrimad Bhagwad Geeta in the field of Yoga.

3. Write short notes on any **Four** of the following : 20
 - A. Write a short note on : Life sketch of Shri Aurobindo
 - B. Write a short note on : Buddha
 - C. Activities done by Yoga Institute – Santacruz, Mumbai.
 - D. Write the contribution of the text Light on Yoga.
 - E. Write a short note on : Roots of Yoga in Vedic literature.
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Activities of AYUSH in the field of Yoga.
 - B. Enlist any four texts published by Kaivalyadhama.
 - C. Give the name of Institute and year of establishment in Chennai.
 - D. Write the division of Patanjali Yoga Sutra.
 - E. What is the contribution of Vyasa in Yoga ?
 - F. Yogic Practices followed by Mahatma Gandhi.

SECTION-B

5. Importance of Nisargopachara in Recent era. 10
6. Give the detail introduction of any leading institution of Nisargopachara. 10

OR

Write the contribution of any two Indian personalities in the field of Nisargopachara.

7. Write short notes on any **Four** of the following : 20
 - A. Write a short note on : Life Sketch of Dr. H.K. Bhakhru.
 - B. Write a short note on : CCRAS
 - C. Write a short note on : Nisargopachara and Ayurveda
 - D. Write a short note on : Life Sketch of Hippocrates
 - E. Write a short note on : Nisargopachara in Vedic literature.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define Nisargopachara.
 - B. Full form and place of S.D.M. Nisargopachara Kendra.
 - C. Enlist the books written by Vincent Priessnitz.
 - D. Write the full form and place of SVYASA.
 - E. Brief introduction of Dr. K. Laxman Sharma.
 - F. Write the year of establishment and place Balvantrai Nisargopachara Kendra.
