

GREEN LAWNS SCHOOL, WORLI  
TERMINAL EXAMINATION: 2018  
YOGA

Std: X

Marks: 100

Date: 28/09/2018

Time: 2 hrs

You will **not** be allowed to write during the first **10** minutes. This time is to be spent in reading the Question paper.

=====

**SECTION I (40 Marks)**

(Attempt **all** questions from this Section)

**Question 1:**

Name the glands responsible for the following conditions: [2½]

- a) Cretinism
- b) Diabetes insipidus
- c) Gigantism
- d) Exophthalmic goitre
- e) Diabetes mellitus

**Question 2:**

Complete the co-relation: [3]

- a) Rods - black and white vision; Cones: \_\_\_\_\_
- b) Semicircular canals – Balance; Cochlea - \_\_\_\_\_
- c) Anaemia – iron; Goitre - \_\_\_\_\_
- d) Spinal nerves – 31 pairs; Cranial nerves - \_\_\_\_\_
- e) Abnormal situation – Sympathetic nervous system; Normal functioning - \_\_\_\_\_
- f) Beta cells – Insulin; Alpha cells - \_\_\_\_\_

**Question 3:**

Rewrite the terms in the correct order so as to be in logical sequence: [5]

- a) Yellow spot, conjunctiva, pupil, cornea, lens, vitreous humour, aqueous humour.
- b) Urethra, kidney, urinary bladder, ureter.
- c) Ear ossicles, oval window, tympanum, auditory canal, cochlea.
- d) Axon, dendrites, cell body, dendrons, axon endings.
- e) Thyroid, adrenal, pituitary, pancreas.

**Question 4:**

Name the following: [5]

- a) The hormone which maintains glucose level in the blood.
- b) The organ which helps in the excretion of carbon dioxide from the body.
- c) Nerve that transfers impulses from ear to the brain.
- d) The lower part of the brain which contains reflex centre.
- e) A tuft of capillaries present in the Bowman's capsule.
- f) The hormone secreted by adrenal medulla.
- g) The fluid present inside and outside the brain.
- h) The outer part of the kidney containing the Bowman's capsule.
- i) Hormone which stimulates the breakdown of glycogen in the liver to glucose.

- j) The smallest bone in the human body.

**Question 5:**

Complete the following:

[5]

- a) The U-shaped portion of a nephron is called \_\_\_\_\_
- b) Brain and spinal cord are the parts of \_\_\_\_\_ nervous system.
- c) \_\_\_\_\_ supplies blood to kidney.
- d) The fluid present in the ear is \_\_\_\_\_
- e) Diabetes insipidus is caused due to the deficiency of \_\_\_\_\_ hormone.
- f) \_\_\_\_\_ are the secretions of the endocrine glands.
- g) The seat of memory and intelligence in human brain is \_\_\_\_\_
- h) The cell body of the neuron is called \_\_\_\_\_
- i) \_\_\_\_\_ is an endocrine gland which controls other endocrine glands.
- j) The place of best vision in the retina of eye is \_\_\_\_\_

**Question 6:**

State whether the following statements are true or false. If false, rewrite the correct statement: [6]

- a) Deafness is caused due to the rupturing of pinna.
- b) Deficiency of iodine causes simple goitre.
- c) Urea is formed in the kidney.
- d) The unit of the nervous system is nephron.
- e) Myxoedema is caused due to the malfunctioning of thyroid gland.
- f) Renal vein contains more urea.
- g) Cerebellum coordinates the involuntary actions.

**Question 7:**

Select the term that does not fit into the group, giving a reason:

[6]

- a) Myopia, cataract, squint, cretinism.
- b) Urea, uterus, urinary bladder, ureter.
- c) GH, ACTH, ADH, TSH.
- d) Cerebrum, cranium, cerebellum, pons.
- e) Renal artery, efferent arteriole, renal vein, hepatic vein.
- f) Cerebrum, ossicles, cerebellum, medulla oblongata.

**Question 8:**

State the following:

[7½]

- a) The three meninges of the brain.
- b) The three tiny bones of the ear.
- c) The three layers of the eye.
- d) The three hormones of the pituitary gland.
- e) The three organic constituents of urine.

## Section II (30 marks)

(Attempt any **three** questions from this section)

### Question 9

With reference to Chaitanya Mahaprabhu, write about the following:

- a) His education and thread ceremony [2]
- b) The transformation he underwent in Gaya [2]
- c) His style of worship (Important teachings) [6]

### Question 10

Sage Veda Vyasa is known as the fountainhead of Indian Culture. Support this statement with a detailed note on his contributions. [10]

### Question 11

With reference to Sage Jnaneshwar, write about the following:

- a) Dnyaneshwari [3]
- b) Warkari Sampradaya [3]
- c) Adding dignity to Marathi as a language [2]
- d) His relationship with Chhangdev [2]

### Question 12

- a) Elaborate on Sage Purandardasa's transformation from a miser to a saint or bhakta. [4]
- b) The anxiety that Sage Purandardasa faced and how he dealt with it. [2]
- c) Purandardasa is called the 'Sangeeta Pitamaha'. Elaborate on this statement supporting with reasons. [4]

## Section II (30 marks)

(Attempt any **three** questions from this section)

### Question 13

Write the following Yoga Sutras in Sanskrit and English, it's meaning, and explain them word by word:

- a) Patanjali Yoga Sutra 1.2 [5]
- b) Patanjali Yoga Sutra 2.3 [5]

### Question 14

- a) Compare the Nyaya and Sankhya Schools of Philosophy. [5]
- b) Name the founders of the Nyaya and Sankhya Schools respectively. [1]
- c) Describe in brief, the nature of 'Purusha' and 'Prakriti' according to Sankhya School of Philosophy. [4]

### Question 15

- a) State the similarities between 'Purva Mimamsa' and 'Uttara Mimamsa' schools of Philosophy. [2]
- b) List down the differences between 'Purva Mimamsa' and 'Uttara Mimamsa' Schools of Philosophy. [8]

### Question 16

- a) List down the main teachings of the Buddhism School of Philosophy. [5]
- b) Elaborate on the Nine Tattvas mentioned in the Jainism School of Philosophy. [5]

\*\*\*\*\*