# Zagdu Singh Charitable Trust's (Regd.) THAKUR INTERNATIONAL SCHOOL

# FIRST PRELIMINARY EXAMINATION 2021 – 2022

Paper: Biology

Grade: 10

Date: 11/02/2022

Marks: 40

Time: 1 hr 30 mins.

Answer to this paper must be written on the paper provided separately.

You will not be allowed to write during the first 10 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this paper is the time allowed for writing the answers.

Attempt all questions from section A and attempt any three questions from section B.

The intended marks for questions or parts of a question are given in the brackets []

#### SECTION - A

(All the questions from this Section are compulsory.)

#### Question 1

Name the following by choosing the correct answers to the questions from the given options.

(Do not copy the question, Write the correct answer only.)

- a) Blockage in the coronary artery leads to: (scientific term)
  - Myocardial infarction
  - ii) Cardiac arrest
  - iii) Angina pectoris
  - iv) Chest pain
- b) A vessel which starts and ends in capillaries.
  - i) Coronary vein
  - ii) Hepatic Portal vein
  - iii) Pulmonary vein
  - iv) Renal vein
- c) In humans, urea is produced in:
  - i) Kidney
  - ii) Liver
  - iii) Lunes
  - iv) Spleen

This paper consists of 4 printed pages.

d) Th i)	e pigmented circular area seen in front of the eye:  Cornea
ii)	Ciliary muscles
iii)	Lens
iv)	Iris
11)	1115
e) The	e part of the brain which controls the body temperature:
i)	Thalamus
ii)	Diencephalon
iii)	Hypothalamus
iv)	Cerebral peduncles
f) No	n-granular leucocytes are:
i)	Lymphocytes and monocytes
ii)	Lymphocytes and basophils
iii)	Eosinophils and basophils
iv)	Eosinophils and monocytes
) T	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
	e pigment that gives colour to urine:
i)	Haemoglobin
ii)	Urochrome
iii)	Chlorophyll
iv)	Melanin
h) The	function of Eustachian tube:
i) ii)	Equalizing air pressure
iii)	Conducting sound waves in external ear Static balance
iv)	
14)	Dynamic balance
i) The	outer most layer of meninges:
i)	Pia matter
ii)	Grey matter
iii)	Arachnoid layer
iv)	Dura mater
,	
j) The	short stem joining the bases of semicircular canal to the cochlea is termed as:
i)	Ampulla
ii)	Vestibules
iii)	Organ of corti
iv)	Perilymph
	그 이 이 이 아는 아니라 가는 것 같아. 그는 사람들은 사람들이 되었다. 그는 경우가
	보통 경우의 교사는 레이크리 의미 전환 수 하게 하는 돈 해들어지다. 상토를 하고 있는 것이 없어 하는 것이 되었다는 것이 되었다.

## SECTION B

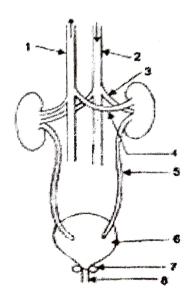
## (Attempt any THREE questions from this section.)

## estion 2

a)	Name the kind of natural reflex associated with digestion of food and mention its	
	working.	[2]
b)	Name the two liquids filled in the two chambers of the eye.	[2]
	Write a short note on feedback mechanism with respect to endocrine glands with	
	example. Line was secured to the control of capillaries.	[3]
d)	Enlist three important functions of capillaries.	[3]

### Question 3

a) The diagram given below shows the excretory system in humans. Study the same and [10] answer the questions.



- Name the parts labelled 1, 2, 3 and 4. i)
- Give the main function of the parts labelled 5, 6, 7 and 8. ii)
- Define: Excretion iii)
- Urine is slightly thicker in summers. Why? iv)

# Question 4

a) If an individual were to sustain a significant injury to their right cerebral hemisphere, where might somatosensory loss of functioning occur? Justify. [2] b) 'Women with beard and Men with breasts' Explain with reference to the abnormalities in hormonal secretion.

[2]

