INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO DEGREE OF BACHELOR OF UNANI MEDICINE AND SURGERY FIRST PROFESSIONAL SUPPLEMENTARY (ON LINE) EXAMINATION MARCH 2021

Subject - Manafi ul Aza (Physiology and Biochemistry)

Date: 22. 03. 2021 Time: 2 pm - 2.50pm

Structured Essay Questions

Answer all questions.

1. List five (05) body systems involved in the maintenance of Homeostasis.

2.

- a. Name three (03) types of Lymphocytes along with one function of each.
- b. List four (04) causes of macrocytic (larger than normal) red blood cells.

3.

- a. What is the variable shown in the x-axis of oxyhaemoglobin dissociation curve?
- b. What is the variable shown in the y-axis of oxyhaemoglobin dissociation curve?
- c. Name three (03) factors that would shift the oxyhaemoglobin dissociation curve to the right.

 List the components of Respiratory centre along with their functions. List the methods of Carbondioxide transportation with their approximate perc List the following Two (02) physiological causes of Tachycardia. Two (02) causes of Left Ventricular Hypertrophy. List four (04) complications of uncontrolled Systemic Hypertension. 	entages.
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7.	
a. List four (04) complications of uncontrolled Systemic Hypertension.	
b. Name three (03) causes of Secondary Hypertension.	
8. a. List three (03) functions of Saliva.	
b. Name digestive juices secreted by the Stomach along with their function	ons.

10.	
	a. List three (03) functions of Thyroxine.
	b. List three (03) functions of Insulin.
11.	a. Name four (04) factors that regulate secretions of growth hormones.
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	b. Mention two (02) clinical features that would help you to differentiate Dwarfism due to Cretinism and that due to Growth hormone deficiency.
12.	
13.	a. List three (03) functions of Sertoli cells.
	b. What is the importance of early detection of undescended testis in a child?
	a. List four (04) hormones influencing on Breast development during Puberty.
	b. What stimulates the milk secretion soon after child birth?

15.
 Name four (04) substances over 60% of which are absorbed by the Proxim Renal Tubule.
 Name the deficiency of substances produced by the Kidney responsible for following conditions:
i. Anaemia
ii. Weak bones
16. a. Name four (4) Lipoproteins found in blood.
b. Briefly mention the function of HDL (High Density Lipoprotein).
a. Name four (4) Reducing sugars.
b. What is the predominate simple sugar found in fruits.

14. Name three (03) types of Gait (walking) abnormalities giving the site of lesion.

- 2. Name two (2) Amino acids which contain Sulphur.
- b. Name the structures/levels of following Proteins
 - i. Insulin
 - ii. Silk
 - iii. Myoglobin
 - iv. Hemoglobin

19.

- a. Name three (03) factors which affect the speed of enzymatic reaction.
- b. Give two (02) differences between competitive and non-competitive inhibition.

20.

- a. Mention the function of gut microorganism in the bilirubin metabolism.
- b. Name the responsible cellular organ for following functions
 - i. ATP synthesis
 - ii. Protein synthesis
 - iii. Secretory functions
 - iv. Cellular control function