

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA

BAMS LEVEL I- FIRST SEMESTER EXAMINATION – JUNE 2015

SHAREERA KRIYA (PHYSIOLOGY) - I

COURSE CODE – AS 1102

**Time: 2 ½ hours
9.45 a.m. – 12.15 p.m**

Index No

Answer all questions.

Part I - Structured Questions

Explain how interstitial fluid is secreted and absorbed at a capillary bed. (04 Marks)

.....

.....

.....

.....

.....

.....

.....

State one reason each for occurrence of oedema in the following conditions (04 Marks)

i. Malnutrition

.....

.....

.....

ii. Lymphatic obstruction

.....

.....

.....

02.

a. State three (03) reasons why infants are more likely to become dehydrated compared to adults. (04 marks)

.....

.....

.....

.....

b. Give four (04) clinical features of dehydration. (04 marks)

.....

.....

.....

.....

03. Briefly describe the mechanisms involved in the process of sodium reabsorption at the following sites

a. Loop of Henle

.....

.....

.....

.....

b. Collecting duct

.....

.....

.....

.....

1. List the component (layers of the) glomerular filter. (03 Marks)

.....
.....
.....

2. Name three (03) abnormal constituents in urine. (03 Marks)

.....
.....
.....

3. Explain the mechanisms of following processes during quite (breathing at rest) breathing.

a. Inspiration (03 Marks)

.....
.....
.....
.....

b. Expiration (03 Marks)

.....
.....
.....
.....

06. Write short notes on the following.

(03 Marks)

a. Adaptation to high altitudes

.....

.....

.....

.....

.....

.....

.....

b. Tubular Maximum of Glucose reabsorption from the glomerular filtrate

(03 Marks)

.....

.....

.....

.....

.....

Part II – Essay Questions

1. Write a detailed account on oxygen dissociation curve.
2. Over 90% of water in the glomerular filtrate is reabsorbed. Giving sites, percentages and mechanisms describe the process of water reabsorption the along the renal tubule

06.07.2015