

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BAMS LEVEL I – FIRST SEMESTER EXAMINATION – AUGUST 2017

SHAREERA KRIYA - I
COURSE CODE – AS 1102

Time: 2 ½ hours
30.08.2017
9.45 a.m. –12.15 p.m

Answer all questions.

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Part I - Structured Questions

1. List the following.

a. Modes of carbon dioxide transportation in the blood.

(04 Marks)

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b. Layers of the respiratory membrane

(03 Marks)

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2. Explain the importance of giving following medicines to patients with chronic kidney disease

a. Activated vitamin D

(04 Marks)

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b. Erythropoietin.

(03 Marks)

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3. Differentiate between the following.

a. Obligatory water reabsorption and facultative water reabsorption by the renal tubule.

(04 Marks)

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b. Respiratory acidosis and metabolic acidosis

(03 Marks)

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4.

a. Explain the advantage of right shift of the oxygen dissociation curve

(03 Marks)

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b. List three (03) factors that shifts the oxygen dissociation curve to the right. (03 Marks)

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5.

a. List three (03) factors that protect gastric mucosa from high acidity (03 Marks)

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b. Explain why long-term use of nonsteroidal analgesics (NSAID) causes gastritis (03 Marks)

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6.

a. List three (03) controlling functions of the kidney (03 Marks)

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b. Describe the process of formation and secretion of hydrochloric acid in the stomach.

(04 Marks)

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Part II – Essay Questions

1. Describe the physiology of swallowing.

(20 Marks)

2. Osmolality of the renal medulla determines the degree of facultative water reabsorption. Describe the mechanisms responsible for high osmolality in the renal medulla.

(20 Marks)

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