

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BAMS LEVEL I – FIRST SEMESTER EXAMINATION – JULY 2016

SHAREERA KRIYA – I
COURSE CODE – AS 1102

Time: 2 ½ hours
13.09.2016
9.45 a.m. – 12.15 p.m

Answer all questions.

Index No

Part I - Structured Questions

01. Give three (03) functions of the each of the following in the digestion of food

(i). Pancreatic juice

(3 marks)

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(ii). Bile

(3 marks)

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02. Explain why polyuria occurs in the following conditions.

(i). Diabetes mellitus

(4 marks)

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(ii). Diabetes insipidus

(3 marks)

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03.

(i) Define oedema

(1 mark)

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(ii). Explain why oedema occurs in following conditions

(a). Right heart failure

(3 marks)

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(b). Liver failure

(3 marks)

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04.

(i). Name the phases of gastric hydrochloric acid secretion **along with** their relative contribution to the total volume of hydrochloric acid secreted in a person.

(3 marks)

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(ii) Explain why following conditions occur following removal of part of the stomach.

(a). Iron deficiency anaemia

(2 marks)

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(b). Vitamin B₁₂ deficiency anaemia

(2 marks)

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05. Give reasons for occurrence of following conditions.

(i) Diabetes insipidus following a head injury

(2 marks)

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(ii) Anaemia in chronic kidney disease

(2 marks)

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(iii) Calcium deficiency in chronic kidney disease

(2 marks)

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06. Write short notes on the following.

(i). Sodium-Pottasium- ATPase

(4 marks)

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(ii). Aquaporin V

(3 marks)

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Part II – Essay Questions

1. Describe the digestion and absorption of fat.

(20 marks)

2. Around 98% of sodium in the glomerular filtrate is reabsorbed. Explain the different mechanisms of sodium reabsorption present throughout the renal tubule.

(20 marks)