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INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BUMS LEVEL 1 – SECOND SEMESTER EXAMINATION – DECEMBER 2015
PHYSIOLOGY - II
COURSE CODE - AS 1202

INDEX NO:

Time: 2 ½ hours
9.45 a.m. – 12.15 p.m

Answer all questions.

Part I - Structured Questions

01.

A.

i. Define Cardiac output (0.5 Marks)

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ii. What are the factors influence cardiac output (01 Mark)

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iii. What is Stroke Volume (SV) (0.5 Marks)

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iv. Factors effecting SV (01 Mark)

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v. Frank-Starling Law of the Heart is (01 Mark)

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B. I. What are the factors regulate heart rate (HR) (01 Mark)

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II. How sympathetic nerve effect HR (1.5 Marks)

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III. How parasympathetic nerve regulate the HR (1.5 Marks)

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IV. Give summary of Systole (01 Mark)

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V. Give summary of diastole (01 Mark)

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III. Give two causes of obstructive jaundice (01 Mark)

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IV. Give two clinical signs of obstructive jaundice (01 Mark)

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V. What is neonatal jaundice (01Mark)

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Part II - Essay Questions

01.

- i. What is menstruation (02 Marks)
- ii. Name the two phases of menstruation? (04 Marks)
- iii. Name the two cycles of menstruation. (04 Marks)
- iv. Write two functions of each (2 x 5 Marks)
 - a. LH
 - b. FSH
 - c. Oestrogen
 - d. Progesterone
 - e. Testosterone

02.

- i. Explain the regulation of thyroid hormone secretion (06 Marks)
- ii. List five functions of growth hormone (05 Marks)
- iii. List the importance of pancreas (04 Marks)
- iv. List the important systemic effects of glucocorticoids (05 Marks)

03.

- i. What is the composition of plasma? (02 Marks)
- ii. List the importance of each component (05 Marks)
- iii. Describe the physiological importance of erythrocytes (07 Marks)
- iv. Give the functions of the hemoglobin (06 Marks)

02.

A.

I. Diagrammatically describe the destruction of RBC (2.5 Marks)

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II. What is unconjugated bilirubin (0.5 Marks)

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III. What is conjugated bilirubin (0.5 Marks)

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IV. How urobilinogen formed (1.5Marks)

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V. What is enterohepatic urobilinogens cycle (01 Mark)

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B.

I. What is jaundice (0.5Marks)

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II. What is obstructive jaundice (0.5Marks)

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