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INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BUMS LEVEL 1 – SECOND SEMESTER EXAMINATION – FEBRUARY 2017

PHYSIOLOGY – II
COURSE CODE – AS 1202

INDEX NO:

Time: 2 1/2 hours
9.45 a.m. – 12.15 p.m

Answer all questions.

Part I - Structured Questions

1.

A)

a. Give two features of endocrine system. (01 Mark)

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.....

b. What is Hormone? (0.5 Marks)

.....

c.

I. List two hormones of posterior pituitary gland. (01 Mark)

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.....

II. List two hormones of anterior pituitary gland. (01 Mark)

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.....

III. List four hormones of adrenal gland. (02 Marks)

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.....

B)

I. Give two each the endo and exocrine secretion of pancreas.

(01 Mark)

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.....

II. Draw a diagram of thyroid hormone regulation.

(1.5 Marks)

III. Give the function of parathyroid hormone.

(01 Mark)

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.....

IV. What is gestational diabetes?

(01 Mark)

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.....

2.

A)

I. How is first heart sound occur?

(0.5 Marks)

.....

II. How is second heart sound occur?

(0.5 Marks)

.....

Give examples;
Systolic murmur

(01 Mark)

- i.
- ii.
- iii.
- iv.

Diastolic murmur

(01 Mark)

- i.
- ii.
- iii.
- iv.

B

I. Give main 3 functions of red blood cells.

(1.5 Marks)

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.....
.....

II. What are the granulocytes?

(01 Mark)

.....
.....

III. What are the functions of lymphocytes?

(01 Mark)

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.....

IV. What are the functions of monocytes?

(01 Mark)

.....
.....

C

I. Give 3 functions of platelets.

(1.5 Mark)

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.....
.....

II. What is erythropoiesis?

(01 Mark)

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.....

Part II - Essay Questions

01

- a) What is cardiac out put? (02 Marks)
- b) Briefly describe sympathetic, parasympathetic regulation of heart rate. (09 Marks)
- c) Define high blood pressure. (02 Marks)
- d) Give the types of high blood pressure and it causes. (07 Marks)

02

- a) Define anaemia. (02 Marks)
- b) Explain the types of anaemia. (06 Marks)
- c) Give the causes of each type. (06 Marks)
- d) List the symptoms of anaemia. (06 Marks)

03

- a) Name the two phases of menstrual cycle. (04 Marks)
- b) List the impotent events of each phase. (04 Marks)
- c) What is corpus luteum? (02 Marks)
- d) Explain the regulation of the menstrual cycle by Pituitary gland. (10 Marks)

07.02.2017