

EXAMINATIONS
Institute of Indigenous Medicine
25 APR 2022
University of Colombo

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO
DEGREE OF BACHELOR OF AYURVEDA MEDICINE AND SURGERY
LEVEL I SECOND SEMESTER (SECOND SUP) EXAMINATION
APRIL - MAY 2022



AS 1202 – SHAREERA KRIYA (PHYSIOLOGY) - II

Date: 25.04.2022

Time: 9.45 am- 12.15 pm

Index No

Answer all questions.

Part I - Structured Questions

1.

a. In a normal adult diastolic period of left ventricle is much longer than that of systolic period. List two (02) advantages of this difference. (02 Marks)

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b. Explain the basis of following:

i). Left atrial contraction does not contribute to cardiac output significantly? (02 Marks)

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ii). Myocardial infarction due to thrombosis in right coronary artery is not life threatening compared to that due to left coronary artery. (02 Marks)

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2. Explain the significance of the following:

a. Congenital hypothyroidism should be diagnosed as early as possible in a new born child.

(03 Marks)

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b. Anaemia is associated with tachycardia.

(02 Marks)

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c. Chronic kidney disease (CKD) causes anaemia.

(02 Marks)

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3. Using flow diagrams show the stages of following physiological processes:

a. Spermatogenesis (03 Marks)

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b. Thyroxin synthesis (04 Marks)

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4. List the following:

a. Five (05) actions of insulin.

(03 Marks)

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b. Five (05) actions of cortisol.

(03 Marks)

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5. Explain the basis of the following.

a. In iron deficiency anaemia, red blood cells are smaller than normal but in folate deficiency red cell are larger than normal. (02 Marks)

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b. Polycythaemia is present in people living in high altitudes.

(02 Marks)

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c. In long standing iron deficiency, Erythrocyte sedimentation rate (ESR) much higher than normal. (03 Marks)

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6. List the following:

a. Four (04) types of white cells along with one function of each. (02 Marks)

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b. Four (04) types of plasma proteins along with one function of each. (02 Marks)

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c. Outline the process phagocytosis.

(03 Marks)

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Part II – Essay Questions

- 1. Describe the hormonal, ovarian and endometrial changes seen in menstrual cycle (20 Marks)

- 2. Describe the process of haemostasis. (20 Marks)

Date: 25.04.2022
