

**INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA**

**BAMS LEVEL I – SECOND SEMESTER EXAMINATION – FEBRUARY 2017**

**SHAREERA KRIYA (PHYSIOLOGY) - II**

**COURSE CODE – AS 1202**

**Time: 2 ½ hours**

**9.45 a.m. – 12.15 p.m**

**Answer all questions.**

**Index No**

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**Part I - Structured Questions**

1. Explain the physiological basis of following statements.

- (i) A man who wears a shirt with a tight collar, complaints of feeling fainting when turning his neck. (04 Marks)

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- (ii) Premature new born baby develops respiratory difficulty. (03 Marks)

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2. Explain the physiological importance of tachycardia in the following conditions.

- (i) Anaemia (02 Marks)

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(ii) Physical exercise

(02 Marks)

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(iii) Following a moderate blood loss.

(02 Marks)

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3.

(i) Define the following terms.

a) Tidal volume

(02 Marks)

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b) Vital capacity

(02 Marks)

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(ii) List three (03) factors that stimulate medullary respiratory centre.

(03 Marks)

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4.

(i) Describe the role of insulin in facilitating glucose into skeletal muscle cells. (03 Marks)

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(ii) Explain why people with severe insulin deficiency develop acidosis. (03 Marks)

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5. Give explanations for the following.

(i) Murmur due to mitral stenosis occurs during diastole but Murmur due to aortic stenosis occurs during systole. (03 Marks)

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(ii) Short stature due to thyroid deficiency during infancy is associated with mental subnormality but short stature due to pituitary deficiency is not associated with mental subnormality. (04 Marks)

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6. Write short notes on the following

(i) Actions of Adrenaline.

(02 Marks)

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(ii) Actions of Growth Hormone.

(02 Marks)

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(iii) Undescended testis

(03 Marks)

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**Part II - Essay Questions**

1. Describe the events in cardiac cycle.

(20 Marks)

2. Describe the hormonal, ovarian and endometrial changes associated with menstrual cycle.

(20 Marks)

14.02.2017