

**First BHMS Degree Supplementary Examinations, August 2016**

**PHYSIOLOGY & BIOCHEMISTRY- PAPER II**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all the questions
- Draw diagrams wherever necessary

**Essays:** (2x10=20)

- 1 Mention the functions of thyroid hormones. Describe the clinical features of hyperthyroidism.
- 2 Explain citric acid cycle in detail.

**Short notes:** (10x5=50)

- 3 Functions of Hypothalamus
- 4 Peristalsis
- 5 Acromegaly
- 6 Cushing's syndrome
- 7 Tetany
- 8 Glucose tolerance test and its significance
- 9 Vitamin A
- 10 Reflex arc
- 11 Essential amino acids
- 12 Balanced diet

**Answer briefly:** (10x3=30)

- 13 Salivary amylase
- 14 Fatty acids
- 15 Anti-diuretic hormone (ADH)
- 16 Addison's disease
- 17 Estrogen
- 18 Neuron
- 19 Spermatogenesis
- 20 Beriberi
- 21 Transamination
- 22 Neoglucogenesis

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