

Date: 12-08-2018

## **MGR 5504**

### **First Year MBBS Examination**

#### **I MBBS Physiology Paper 2**

Time: 3 hours Max Marks: 50

Instructions: 1. Answer to the points. 2. Figure to the right indicates marks. 3. Use separate answer books for each section. 4. Draw diagrams wherever necessary. 5. Write legibly.

#### **Section 1**

Write in detail:(any two) (10)

- a. Errors of refraction
- b. Renal function tests
- c. Write functions of thyroxin hormone and add a note on thyrotoxicosis

Write briefly on(any two) (6)

- a. Micturition Reflex
- b. Anti Diuretic Hormone
- c. Functions of middle ear

Write briefly on (any one) (3)

- a. Functions of placenta
- b. Spermatogenesis

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Write briefly on (any two) (6)

- a. Insulin
- b. Menstrual cycle
- c. Dialysis

## Section 2

Write in detail (any two) (10)

- a. Define synapse and write about properties of synapse
- b. Spinothalamic tract
- c. Types and physiological bases of memory

Write briefly on (any two) (6)

- a. Monosynaptic stretch reflex
- b. Receptor potential
- c. Aphasia

Write briefly on (any one) (3)

- a. Referred pain
- b. Functions of CSF

Write answers in 1 or 2 sentences: (any six) (6)

- a. What is ovulation?
- b. Function of parathormone
- c. Name of speech area
- d. Define reflex
- e. What is night blindness?
- f. Define Attenuation reflex
- g. What is normal glomerular filtration rate (GFR)?
- h. What is Tetany?
- i. What is automatic bladder?
- ~~j. Define spermatogenesis?~~

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