

Date: 01-07-2010

Instructions:

**RUHS**

**First Year MBBS Examination**

**I MBBS PHYSIOLOGY PAPER I**

Time: 3 hours

Max Marks: 50

**INSTRUCTIONS:** 1. Que. No.1 and 5 in section A and B are compulsory. Attempt ANY TWO questions from rest of the questions in each section.  
2. Use separate answer sheet for each section.

### **Section 1**

1. Explain what and why will happen: (10)

- a. To pain sensation when a person does severe muscular exercise (C2-903)
- b. To blood pressure when there is increase A aldosterone level (C2-732)
- c. To basal body temperature after ovulation in female (C2-809)
- d. What is cretinism and why there is mental retardation in critin child? (A.412) (8.558) (C2-698)
- ~~e. If there is thrombosis of Posterior Cerebral~~

## Artery Postero-lateral Branch

2. Describe (8)
  - a. Mechanism of skeletal muscle contradiction (C1-168)
  - b. Properties of synapse (C2-865)
3. Explain with the help of diagram/graph (8)
  - a. Mechanism of suckling Reflex (C2-682)
  - b. C.S.F.(C1-372)
4. Write notes on the following (8)
  - a. Salutory conduction (C2-146)
  - b. Vegetative Function of Hypothalamus(A.857) (8.739) (C2-1012)

## Section 2

5. Mention the important difference between any two: (8)
  - a. UMN lesion and LNM lesion (C2-919)
  - b. Conductive deafness and nerve deafness(A.1022) (8.938)(C2-1083)
  - c. EPSP and IPSP(A.815) (8.780) (C2-859)
6. Draw labelled diagram of the following any two (8)
  - a. Hypothalamo - Hypophyseal tract and

Hypothalamo - Hypophyseal portal system (C2-668)

- b. Neuromuscular junction (A.199) (8.63)(C1-157)
- c. Visual pathway (A.989) (B.904) (C2-1094)

7. Describe (8)

- a. Tetany(A.423) (8.563)(C2-717)
- b. Parkinson's disease(A.918) (B.738) (C2-999)

8. Write (8)

- a. Righting reflexes(C2-955)
- b. Horner's syndrome(B.772)

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