



RUHS FIRST YEAR MBBS EXAMINATION

HUMAN PHYSIOLOGY INCLUDING BIOPHYSICS-

PAPER – I July 2012 TIME: 3 HOURS TOTAL MARKS: 50

INSTRUCTIONS:

1. Que. No. 1 in section A is compulsory. Attempt ANY TWO questions from rest of the questions in section A. Attempt ANY THREE questions in section B.
2. Use separate answer sheet for each section.

Section A - (26 Marks)

1. Explain what will happen and why? (10)
 1. If poster ventral nucleus of thalamus gets damaged (C2- 983)
 2. To deep reflexes in cerebellar lesion
 3. If air within the middle ear gets absorbed
 4. If ovaries are removed: (C2- 807)
1. Before puberty
2. In adults
 5. Whole pituitary gland is removed in a person (C2- 683)
2. Describe(8)
 1. The type of Receptor(A. 776) (B. 459) (C2- 870)
 2. Functions of Hypothalamus(A. 857) (B. 739) (C2- 1007)
 3. Explain with the help of graph/ diagram (8)
1. Cross section of spinal cord showing location of major ascending Tracts (A. 807) (B. 697) (C2- 935)
2. Pathway of Pyramidal tract (C2-913 916)
4. Write notes on the following (8)
 1. Thalamic phantom limb (A. 852) (B. 799) (C2- 876)
 2. Organ of corti (A. 1047,1048) (B. 927) (C2- 1071)

Section B - (24 marks)

5. Mention important difference between any two: (8)
 1. Fast and slow pain (C2- 902)
 2. Myopia and Hypermetropia (C2- 1105)
 3. EPSP and IPSP(A. 815) (B. 780) (C2-859)





6. Draw labelled diagram of the following any two (8)
 1. Visual pathway(A. 989) (B. 904) (C2- 1094)
 2. Control of testicular activity (C2- 797)
 3. Milk let down reflex pathway (C2-682)
7. Describe(8)
 1. Actions of oestrogen (C2- 806)
 2. Goiter(A. 397) (B. 559) (C2- 698)
8. Write(8)
 1. Night blindness(A. 1019) (B. 911)(C2-1110)
 2. Conn's syndrome(A-453) (C2- 733)

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