

RUHS

First Year MBBS Examination

I MBBS PHYSIOLOGY PAPER I

Date: 02-10-2020

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 will happen and why?: 5x2=10
(10)

a) If acetyl cholinesterase is blocked in neuromuscular junction.

b) When warm water is put in left ear.

c) To plantar reflex in upper motor neuron lesion.

d) To the left eye when light is projected in the right eye.

2. Describe : $2 \times 4 = 8$ (8)

a) Connections and functions of basal ganglia.

b) Dark adaptation (C2-1109)

3. Explain with help of diagram: $2 \times 4 = 8$ (8)

a) Ovarian cycle.

b) Pain pathway. (C2-905)

4. Write notes on following: $2 \times 4 = 8$ (8)

a) Impedance matching.

b) Ovulation. (C2-809)

Section 2

5. Mention differences between (any two): $2 \times 4 = 8$ (8)

a) Diabetes mellitus and diabetes insipidus.
(C2-757,681)

b) Pyramidal and extrapyramidal system. (C2-913,917)

6. Draw labeled diagram of the following (Any two): $2 \times 4 = 8$ (8)

a) Light reflex pathway.

b) Mechanism of action of hormones (A.386)
(B.529) (C2-661)

c) Organ of Corti (A.1047,1048) (8.927) (C2-1071)

7. Describe: (8)

a) Actions of parathyroid hormone. (A.400)
(8.572) (C2-713)

b) Somatomedin C (C2-671)

8. Write short notes on: $2 \times 4 = 8$ (8)

a) Actions of oestrogen (C2-806)

b) Addison's syndrome.

www.FirstRanker.com