RUHS RUHS FIRST YEAR MBBS EXAMINATION

HUMAN PHYSIOLOGY INCLUDING BIOPHYSICS-

PAPER -II January 2016 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.

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Section A - (26 Marks)

Q1. What will happen and why? 10

a) To RBC count in chronic renal failure

b) To respiration at high altitudes (C1- 471)

c) To urine output in diabetes insipidus (C2- 681)

d) To heart rate during heavy exercise (C1- 340)

e) To fat digestion after cholecystectomy (C1- 246)

Q2. Write in brief 08

a) Cardiac cycle (C1- 287)

b) Peripheral chemoreceptors (C1-335)

Q3. Write in brief 08

a) Stages of erythropoiesis (C1- 70)

b) Migratory motor complex (C1- 227)

c) Chloride shift (C1- 440)

d) Normal ECG waves (C1- 295)

Q4. Write notes on (with diagram) 08

a) Counter current mechanism in kidneys (C1- 549)

b) Oxygen haemoglobin dissociation curve (C1-435)

SECTION B

Q5. Discuss briefly 08

a) Memory in immune system (C1- 126)

b) Hormones secreted from kidneys (C1- 513)

c) Rh incompatibility (C1- 111)

d) Buffer nerves (C1-334)

Q6. Write notes on 08

a) Types of jaundice (C1- 81)

b) Renin-angiotensin mechanism (C1- 565)

Q7. Draw diagram/ flow charts of the following 08

a) Cell mediated immunity (C1- 127)

b) Lung volumes and capacities (C1- 415)

c) Action potential of cardiac muscle (C1- 180)

d) Micturition reflex (C1- 581)

Q8. Write notes on 08

a) Thermoregulatory mechanisms on exposure to cold environment (C1- 591)

b) Types of hypoxia (C1- 461)

RUHS RUHS FIRST YEAR MBBS EXAMINATION

HUMAN PHYSIOLOGY INCLUDING BIOPHYSICS-

PAPER – I August 2015 (Main) TIME: 3 HOURS TOTAL MARKS: 5O

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.

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Section A - (26 Marks)

1. Explain what will happen and why?10

1. Damage to Boardman's area 44 in

prefrontal lobe of dominant hemisphere. (C2- 1039)

2. Decrease in plasma ionized Ca. -2- level below 4 mg/dl. (C2- 717)

3. If curvature of the cornea is more than normal. (C2- 1105)

4. If corpus luteum fails to secrete its hormone after fertilization has occurred. (C2-812 (A. 504) (B. 655)

5. If poster ventral nucleus of thalamus gets damaged. (C2- 983)