Date: 12-08-2015
GDU 2834
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

1.Explain in detail: (any two) (10)

a) Describe the actions and regulation of secretion of growth hormone.

b) Describe the role of kidneys in maintaining acid-base balance.

c) What is menstrual cycle? Explain the ovarian changes taking place during menstrual cycle. (A.482) (8.655)

2A.Write brief notes on (any two) (6)

a) Oxytocin (A.382) (8.537)

b) Argyl Robertson Pupil

c) Functions of kidney

28.Write brief on (any one) (3)

a) Light adaptation (A.1018) (B.210)

b) Tetany

3.Give brief on (any two) (6)

a) Renin-angiotensin system (A.634) (B.261)

b) Estrogen

c) Organ of Corti (A.1047)

Section 2

4.Explain in detail (any two) (10)

a) Origin course, termination and functions of pyramidal tracts (A.814) (8.702)

b) Discuss referred pain theories in detail (A.873) (8.807)

c) Muscle spindle and its role in stretch reflex (A.945) (8.822)

5A.Write briefly on (any two) (6)

a) Weber fecher law

b) Speech (A.979) (8.732)

c) Papez circuit

58.Write briefly on (any one) (3)

a) Bell-Megendie's law

b) Mass reflex

6.Short explanatory objective questions: (6)

a) Why chrytorchids are usually infertile?

b) Why gall bladder pain is referred to neck region?

c) What is the cause of night blindness? (A.1019) (8.911)

d) Explain rigidity in mid collicular trans-section

e) How lactation and infertility are temporarily associated?

f) Why weight loss by dieting temporary?

g) How middle ear act as an impendance matching device?

h) Explain polyphasia in diabetes patients.

i) Why steroids srugs are slowly tapered?

j) ACE inhibitors commonly cause cough side effect. Explain why?

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