

Date: 07-08-2018

MK 16804

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. What is menstrual cycle? Explain the ovarian changes during menstrual cycle. (A.482) (8.655)
- b. Describe the mechanism involved in concentration of urine (A.328) (8.403)
- ~~c. Synthesis storage and release of thyroid~~

hormone (A.389) (8.552)

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

- a. Somatomedins
- b. Oxytocin (A.382) (8.537)
- c. Leptin

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

- a. Renin angiotensin system (A.634) (8.261)
- b. Tubuloglomerular feedback (A.320) (8.384)

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

- a. Impedance matching (A.1017) (8.931)
- b. Taste pathway (A.1061) (B.947)
- c. Dark adaption (A-1018) (B.210)

Section 2

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

- a. Function of cerebellum (A.870+872+874)
- b. Parkinsonism (A.882) (8.730)
- c. Endangerous analgesia

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

- a. REM sleep (A.932)
- b. Aphasia (A.945) (8.875)
- c. EPSP and IPSP (A.815) (8.780)

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

- a. Wallerian degeneration
- b. Muscles spindle (A.945) (B.822)
- c. Synaptic Plasticity

6. Short explanatory objective questions: (6)

- a. Diagram of Visual pathway (A.989) (8.904)
- b. Myopia
- c. Functions of Prolactin (A.511) (8.543)
- d. Sertoli cells (A.476) (8.637)
- e. Tetany
- f. Colour Blindness
- ~~g. Dwarfism (A.399) (8.545)~~

- h. GFR (A.320) (8.388)
- i. Structure of Nephron (A.309) (B.379)
- j. Myxoedema

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