

I MBBS Physiology Paper 2

Time: 3 hours

Max Marks: 50

Instructions: 1. Answer to the points. 2. Use separate answer books for each section. 3. Draw diagrams wherever necessary.

Section 1

1. Write briefly on (any two): (10)

- a. Describe the afferents and efferents of the cerebellum and list the clinical features of cerebellum disorder (A-905-912)(713)
- b. Describe the centers that control temperature regulation. Write a note on hyperthermia (371) (957)
- c. List the physiological functions of thyroid hormone. What is hyperthyroidism? List its clinical features (389) (552)

2. Write briefly on (any two): (6)

- a. Describe the physiological action of insulin (415)(602)
- b. Describe neuroendocrine reflex with an example and neat diagram (A-396)
- c. Describe the physiological functions of parathormone. (A-416) (572)

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

- a. Explain Fetoplacental unit (527)(665)
- b. Physiological actions of testosterone (480)(640)

4. Write briefly on (any two): (6)

- a. Describe the mechanism of HCl secretion (235)(466)
- b. Explain the phases of deglutition (270)(461)
- c. Describe the role of Bile salts (252)(491)

Section 2

5. Write briefly on (any two): (10)

- a. Define referred pain. Explain the theories of referred pain. (give example) (873) (807)
- b. Compare REM & NREM sleep. What is Narcolepsy? (A-967)
- c. Describe Brown-Sequard's syndrome (823) (709)

6. Write briefly on (any two): (6)

- a. Describe the functions of middle ear (1053) (924)
- b. Draw the olfactory pathway (1049) (943)
- c. Describe the pupillary light reflex (1030) (921)

7. Write briefly on (any one): (3)

- a. Explain free load and after load (A-182)
- b. Draw a diagram of strength-duration curve and label (A-175)

8. Write answers in two or two sentences (any six): (6)

- a. Corpus luteum(504)(655)
- b. Connâ€™s syndrome (A-453)
- c. Parkinsonâ€™s disease (918) (738)
- d. EPSP (815)(780)
- e. Presbyopia (1042)(897,980)
- f. Addisonâ€™s disease (454)(595)
- g. Klinefelterâ€™s syndrome (B-772)
- h. Saltatory conduction (800)(55)

End of Paper

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