

Q.P. CODE: M102A021 (THEORY)

DR NTR UNIVERSITY OF HEALTH SCIENCES : VIJAYAWADA- 520008

MBBS DEGREE EXAMINATION: AUGUST, 2024

FIRST M.B.B.S. EXAMINATION

PHYSIOLOGY PAPER-II

(Theory Questions)

Time: 2 Hour 40 Minutes

Max Marks: 80

Note: Answer all questions.

Draw diagrams, representation wherever necessary.

SECTION-II (THEORY QUESTIONS - 80 MARKS)

STRUCTURED ESSAY QUESTIONS:

2x15=30

1. Discuss the synthesis of glucocorticoids, functions of glucocorticoids. Add a note on primary hyperaldosteronism.
2. Describe the spinal and medullary integration of regulation of posture and movement.

SHORT ANSWER QUESTIONS:

10x5=50

3. Discuss about the molecular basis of muscle contraction.
 4. Discuss excitation and contraction coupling.
 5. Auditory pathways.
 6. Physiological actions of testosterone. Add a note on cryptorchidism.
 7. Discuss hypothyroidism. Add a note on thyroid function tests.
 8. Maternal changes during pregnancy. Add a note on parturition reflex.
 9. Mechanism of learning and memory.
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10. Functions of the limbic system. Add a note on Kluver-Bucy syndrome.
11. Rods vs. Cones vs. Dark adaptation.
12. A 13-year-old boy attended the hospital casualty department with a body temperature of 101°F. He is also suffering from a running nose and sore throat for the last five days. The boy is advised to take antipyretics and antihistaminics for three days. How is the body temperature in humans regulated?

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