

PAPER CODE: MB2019106

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FIRST M.B.B.S. INSTANT DEGREE EXAMINATION: JULY 2021**PHYSIOLOGY PAPER -II**

Time: 3 Hours

Max Marks:100

Note: Give Diagrammatic representation wherever necessary.

Write essay on the following: 2X15=30

1. Female aged 45 years presented to clinical medicine OPD with complaints of weakness, fatigue and pain of shoulder muscles while combing her hair and calf muscles while standing for washing utensils and floor mopping. symptoms getting worse by the evening. She was relieved from her symptoms only after rest. She also complained of drooping of eyelids and double vision. The patient tested serum positive for auto-antibodies directed against the postsynaptic nicotinic Acetylcholine receptors.

- a) Diagnose the condition.
- b) What are the other common symptoms seen in the condition?
- c) Describe the Neuromuscular junction.
- d) Add a note on drugs acting at NMJ.

2. A 36 year old female was diagnosed as Hypothyroid. Describe synthesis, action of thyroid hormone and add a note on Thyroid Function tests. (5+5+5)

Write short essay on the following: 8×5=40

- 3. Path of reflex arc
- 4. EEG pattern and waves produced in different conditions

5. Corpus luteum
6. Milk ejection reflex
7. Refractory errors of eye
8. Organ of Corti.
9. What are Catecholamines? Differences in the actions of the Catecholamines.
10. Tetany

Write briefly on the following:

10×3=30

11. LH surge
12. Name the qualities of a Physician.
13. Taste bud
14. Visual acuity.
15. Immunological test of pregnancy.
16. Sarcomere
17. Antidiuretic hormone actions.
18. Dwarfism types.
19. Motor aphasia.
20. Blood brain barrier.
