

504-A

DR. NTR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008  
M.B.B.S. DEGREE EXAMINATION – AUGUST, 2015  
FIRST M.B.B.S. EXAMINATION  
PHYSIOLOGY  
PAPER-II

Time : 2 ½ Hours

Max. Marks : 50

Note: Answer all questions

Give diagrammatic representation wherever possible

---

- 1) Describe the connections, functions and effects of 4+3+3=10 cerebellar dysfunction.
- 2) Describe the actions and regulation of insulin. Explain the 5+3+2=10 basis of polyphagia in diabetes mellitus.

WRITE SHORT NOTES ON:

5x4=20

- 3) Define myopia. Explain the method of its correction.
- 4) Functions of middle ear
- 5) Dorsal column-medial lemniscus pathway and its functions
- 6) Features of cretinism and its physiological basis
- 7) Actions of progesterone

WRITE BRIEFLY ON:

5x2=10

- 8) Resting membrane potential
- 9) Factors influencing spermatogenesis
- 10) Indicators of ovulation
- 11) Ageusia
- 12) Olfactory pathway

---