

503-A

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA – 520 008

M.B.B.S. DEGREE EXAMINATION – AUGUST, 2016

FIRST M.B.B.S. EXAMINATION

PHYSIOLOGY**PAPER-I**

Time : 2 ½ Hours

Max. Marks: 50

Note : Answer all questions

Give diagrammatic representation wherever possible

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- 1) What is hemoglobin and what are its functions? What factors are required for its formation and discuss the catabolism of hemoglobin. 2+2+3+3=10

- 2) Define Cardiac output. How is it measured in man? Discuss the physiological factors influencing cardiac output. 2+3+5=10

WRITE SHORT NOTES ON:

5x4=20

- 3) Active transport across cell membrane.
4) Blood buffers in regulation of P^H
5) Mechanism of secretion of gastric acid.
6) Chemical control of respiration
7) Regulation of body temperature

WRITE BRIEFLY ON:

5x2=10

- 8) Intrinsic mechanism of blood coagulation
9) Functions of lymph
10) Filtration fraction
11) Ultrastructure of respiratory membrane
12) Gap junctions.

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