

503-A

M.B.B.S. DEGREE EXAMINATION – NOVEMBER, 2014
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) Describe the following aspects of coronary blood flow: 3+3+4=10
A) Phasic flow
B) Metabolic regulation
C) Evidences of myocardial ischemia

- 2) Describe the uptake, transport and delivery of oxygen. 2+6+2=10

WRITE SHORT NOTES ON: 5x4=20

- 3) Abnormalities of hemoglobin synthesis
4) Mismatched blood transfusion
5) Role of esophageal sphincters
6) Voluntary micturition
7) Creatinine clearance

WRITE BRIEFLY ON: 5x2=10

- 8) Loop diuretics
9) Sinus arrhythmia
10) Transcellular fluid
11) Role of gastrin
12) Define active transport. Write the factors affecting it giving examples.

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