

M.B.B.S DEGREE EXAMINATION, August-2018**First M.B.B.S Examination PHYSIOLOGY PAPER-I****Time: 2 ½ Hours****Max. Marks: 50**

Note: Answer all questions: Illustrate your answer with suitable diagrams.

LONG ESSAYS (2 x 10 = 20)

1. Define and give the normal value of cardiac output. Briefly explain the factors regulating it. Add a note on its measurement. **[2+6+2=10]**
2. Explain the mechanisms of formation of concentrated urine. Add a note on diuresis. **[7+3=10]**

II. WRITE SHORT NOTE ON (5 x 4 = 20)

3. Enterohepatic circulation.
4. Hazards of mismatched blood transfusion.
5. Lung compliance.
6. Triple response.
7. Active transport across the cell membrane.

III. WRITE BRIEFLY ON (5 x 2 = 10)

8. Functions of the large intestine.
 9. Wenckebach phenomenon
 10. Functions of the reticulo endothelial system.
 11. Renal threshold for glucose.
 12. Intrapleural pressure.
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