

M.B.B.S. [1st Prof.]

BF/2014/10

Physiology – B

M.M. : 50

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.**PART - I**

1. Describe the role of kidney in regulating water balance in the body. [10]
2. **Write short notes on:-**
 - a. Regulation of heart rate. [4]
 - b. FEV₁ and its value as a pulmonary function test(PFT). [4]
3. **Write briefly about:-**
 - a. Functions of plasma proteins. [4]
 - b. GIT hormones. [3]

PART – II

4. **Briefly describe:-**
 - a. Cardiovascular changes in exercise. [4]
 - b. Functions of WBCs. [4]
 5. **Describe:-**
 - a. Role of chemoreceptors in regulation of respiration. [4]
 - b. Functions of stomach. [5]
 6. **Explain why:-**
 - a. Apnoea following voluntary hyperventilation. [2]
 - b. Hyperventilation at high altitude. [2]
 - c. RBC count higher in males normally. [2]
 - d. Anti-D is given to Rh -ve mother soon after birth of Rh +ve baby. [2]
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