

**Q.P. CODE: 102020**

**Reg. No: .....**

**First Year B.Sc Medical Biochemistry Degree Supplementary  
Examinations November 2017**

**Paper II – Physiology**

**(2014 Scheme)**

**Time: 2 Hrs**

**Max. Marks: 50**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10=20)**

1. Enumerate the hormones secreted from thyroid gland. Describe in detail the physiological actions of any one of them. Add a note on thyroid function tests. (2+5+3)
2. What is the physiological basis of blood group systems. What are the precautions to be taken before blood transfusion. Explain the hazards of mismatched blood transfusion. (2+4+4)

**Short notes:**

**(2x5=10)**

3. Different types of WBCs and their functions.
4. Structure and properties of cardiac muscle

**Answer briefly:**

**(10x2=20)**

5. Artificial respiration
6. Heart rate
7. Parturition
8. Functions of spleen
9. Micturition
10. Cardiac output
11. Nerve supply of heart
12. Breath sounds
13. Puberty
14. ECG

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