

**Q.P. CODE: 112016**

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

**First Year B.Sc Perfusion Technology Degree Supplementary  
Examinations March 2019**

**Physiology**

**(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks:80**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10=20)**

1. Discuss the composition, functions and regulation of gastric juice secretion.
2. Enumerate the ascending and descending tracts in the spinal cord. Add a note on cerebral cortex lobes with functions

**Short notes:**

**(6x5=30)**

3. Blood indices.
4. Properties of cardiac muscle.
5. Hypoxia.
6. Calcitonin.
7. Cerebrospinal fluid.
8. Counter current system in nephrons

**Answer briefly:**

**(10x3=30)**

9. Structure of retina.
10. Innervation of bladder.
11. Jaundice.
12. Functions of testis.
13. Sarcomere
14. Fever
15. Lactation
16. Glucagon
17. Intra pleural pressure changes during respiration.
18. Artificial respiration

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