

**Q.P. CODE: 102016**

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

**First Year B.Sc Perfusion Technology Degree Examinations, August 2017**

**Physiology**

**Time: 3 Hrs**

**Max. Marks:80**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10=20)**

1. Describe cardiac cycle. Define cardiac output and give its normal value. (8+1+1)
2. Describe oxygen transport and draw an oxygen dissociation curve. Add a note on respiratory membrane. (6+2+2)

**Short notes:**

**(6x5=30)**

3. Erythropoiesis
4. Blood indices
5. Gastric secretion.
6. Mechanism of smell.
7. Parathyroid hormone.
8. Leukocytes

**Answer briefly:**

**(10x3=30)**

9. Hypoxic hypoxia.
10. Corticosteroid hormone
11. Glomerular filtration
12. Reflex action
13. Cardiac output
14. Rigor mortis.
15. Ovulation.
16. Surfactant.
17. Functions of bile.
18. Anticoagulants.

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