

Q.P. CODE: 112016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations August 2019**

**Physiology
(2016 Scheme)**

Time: 3 Hrs

Max. Marks:80

- Answer all questions
- Draw diagram wherever necessary

Essays: (2x10=20)

1. What is the physiological basis of blood group systems. Mention the important indications for blood transfusion. Describe the effects of mismatched blood transfusion. How will you prevent it.
2. Describe how respiration is regulated. Add a note on Hering Bruer reflexes.

Short notes: (6x5=30)

3. Normal heart sounds
4. Hypersecretions of thyroid hormone
5. Functions of cerebellum
6. Glomerular filtration rate
7. Spermatogenesis-stages and factors influencing
8. Pain pathway

Answer briefly: (10x3=30)

9. Triple response
10. Sarcomere
11. Endocrine functions of testes
12. Babinski's sign
13. Diabetes insipidus
14. Respiratory membrane
15. Renal threshold
16. Functions of small intestine
17. Dwarfism
18. Types of jaundice
