

**Q.P. Code: 224005**

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

**Second Professional B.S.M.S Degree Regular Examinations September 2019**

**Udal Thathuvam Paper – II (Physiology)**

**(2016 Scheme)**

**Time: 3 Hrs**

**Max. Mark: 100**

- **Answer all the questions**
- **Draw diagrams wherever necessary**

**Essays:**

**(2x10=20)**

1. Explain Erythropoiesis and the factors regulating it
2. Explain about transport of carbon dioxide by blood and its exchange at the tissue

**Short notes:**

**(10x5=50)**

3. Explain spermatogenesis
4. Reflex arc
5. Neuromuscular junction
6. Lung volumes and capacities
7. Heart sounds.
8. Auditory pathway
9. Functions of white blood cells
10. Functions of glucocorticoids and its applied aspects
11. Write about ovarian hormones
12. Juxta glomerular apparatus

**Answer Briefly:**

**(10x3=30)**

13. Diabetes insipidus.
14. Zollinger Ellison syndrome.
15. What is LH surge and ovulation
16. Effects of hyper and hypo secretions of parathyroid hormone.
17. Osmosis.
18. All or none Law
19. Define neuronal receptor
20. Acromegaly
21. Murmur
22. Respiratory membrane.

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