

QP Code:104114

Reg.No.:.....

**PG Degree Examinations in Physiology (MD) - May 2017**

**Paper IV - Applied Physiology Including Recent Advances**

**Time: 3 hrs**

**Max marks:100**

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

**Essays: (20)**

1. Discuss about goitre. Explain how the thyroid function tests are used to diagnose hyper and hypo thyroidism

**Short essays: (8x10=80)**

2. Clotting time in obstructive jaundice.
3. Cyclosporine and tacrolimus (FK-506) have been used for prevention of graft rejection.
4. Pathophysiology of circulatory shock
5. Mechanisms of action of diuretics and its clinical uses.
6. Stem cell therapy
7. What is patch clamping and state its physiological applications.
8. Heparin and coumarins are clinically useful anticoagulants. Explain why.
9. Explain the physiological basis for the treatment of acid peptic diseases

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