

(LM 009)

FEBRUARY 2018

Sub. Code:1201

**D.M. – NEPHROLOGY**

**Paper I – NEPHROLOGY – BASIC SCIENCES**

*Q.P.Code: 161201*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the pathogenesis of cyst formation in Autosomal Dominant Polycystic Kidney Disease.
2. Describe potassium homeostasis in the body. Briefly describe the etiology of hypokalemia and its evaluation.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Lactic acidosis.
2. Tubulo-glomerular feedback.
3. C4D staining.
4. Aquaporins in the Peritoneal membrane.
5. Describe the complement cascade.
6. Cystatin C.
7. Erythrocyte casts.
8. Transporters in the Thick Ascending Limb of the Loop of Henle.
9. Apoptosis.
10. Delta anion gap.

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