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**Rajiv Gandhi University of Health Sciences, Karnataka**

II year B.Sc. Renal Dialysis Technology Degree Examination – Sep 2012

**Time: Three Hours****Max. Marks: 80 Marks****APPLIED ASPECTS OF PATHOLOGY & MICROBIOLOGY****Q.P. CODE: 2261**

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

**Both sections are to be answered in the same answer book****Section - A – APPLIED PATHOLOGY (40 Marks)****LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. List the causes of hydronephrosis. Describe the morphology and the microscopy with the help of suitable diagrams.
2. Describe the renal changes in hypertension.

**SHORT ESSAYS (Answer any Five)****5 x 6 = 30 Marks**

3. Microscopic urine examination
4. Gross and microscopic changes in chronic glomerulonephritis
5. Hereditary nephritis
6. Polycystic kidney disease
7. Types of urinary calculi
8. Acute tubular necrosis
9. Stages of chronic renal failure.

**Section - B – MICROBIOLOGY (40 Marks)****LONG ESSAYS****1 x 10 = 10 Marks**

10. Enumerate the hepatotropic viruses transmitted via blood transfusion. Discuss the laboratory diagnosis of any one of them

**SHORT ESSAYS****5 x 6 = 30 Marks**

11. Standard precautions
12. Cytomegalo virus
13. Mucormycosis
14. Prophylaxis against Hepatitis B
15. Collection of sputum sample for culture

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