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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (Renal Dialysis Technology) Degree Examination – SEP 2016

Time: 3 Hours**Max. Marks: 50 Marks**

Microbiology

Q.P. Code : 1352

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

(Note : Both QP Codes 1351 and 1352 are to be answered within total duration of 3 hours)**LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. Enumerate hepatitis viruses. Discuss in detail the laboratory diagnosis and prophylaxis of Hepatitis B virus infection.
2. Define standard Precautions. Discuss in detail its components and their importance in prevention of transmission of infections.

SHORT ESSAYS (Answer any Five)**5 x 5 = 25 Marks**

3. Opportunistic fungal infections in a renal transplant recipient patient.
4. Draw a neat labeled diagram of HIV virus and add a note on its diagnosis.
5. Collection of blood for serological tests.
6. Enterically transmitted Hepatitis viruses.
7. List organisms causing UTI. How do you prevent catheter related UTI?
8. Ziehl Nielsen stain and its importance in diagnosis of renal Tuberculosis.

SHORT ANSWERS (Answer any Five)**5 x 3 = 15 Marks**

9. Kass criteria.
10. Principle and use of ELISA technique.
11. Water used for hemodialysis.
12. Antibiotic susceptibility testing.
13. List a bacterial, viral and parasitic agent causing opportunistic infections.
14. Collection and transport of peritoneal dialysis fluid.
