

## Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (Renal Dialysis Technology) Degree Examination – SEPT 2017

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. What is catheter associated blood stream infections? Name the common organisms causing these infections. Describe the precautions to be taken while inserting a central line. Write briefly on the method of diagnosis of a catheter related blood stream infection.
2. Describe in detail the routes of transmission of Hepatitis B virus. Write in brief about the laboratory diagnosis and methods to prevent transmission of this infection.

#### SHORT ESSAYS (Answer any Five)

**5 x 5 = 25 Marks**

3. Standard precautions
4. Bacteriological analysis of water
5. IMViC reactions
6. Autoclave
7. Sampling methods for surveillance
8. Pasteurization

#### SHORT ANSWERS (Answer any Five)

**5 x 3 = 15 Marks**

9. Name three anaerobic media.
10. Membrane filters
11. Define enriched media and give two examples.
12. Laboratory diagnosis of HIV
13. Sampling methods for blood for culture
14. Antimicrobial resistance

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