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Q.P. Code: 205001 **Reg. no.: .....**

Second Professional MBBS Degree Supplementary Examinations, August 2017

Microbiology - Paper I

Time: 2 Hours **Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essay: **(10)**

1. A 40 years old male complains of effortless passage of loose watery stools for about 10 times in the past 24 hours. The stool is colorless, watery fluid with flecks of mucus resembling rice water. Answer the following:
   - What is the probable diagnosis.
   - What is the mode of infection for this disease.
   - Describe the pathogenesis of this disease.
   - Discuss the laboratory diagnosis of this disease.
   - Describe specific preventive measures to prevent this disease. (1+1+3+3+2=10)

Short essay: **(2x5=10)**

2. Discuss the laboratory diagnosis of pulmonary tuberculosis.
3. Describe immunoglobulin G (IgG)

Short notes: **(10x2=20)**

4. Mention mechanisms of autoimmunity
5. Widal test
6. Thymus
7. Robertson's cooked meat medium
8. Fimbriae
9. Haemophilus ducreyi
10. Extended spectrum beta lactamases
11. Enterotoxigenic escherichia coli
12. Group B streptococci
13. BCG vaccine

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