

**Q.P. Code: 205001**

**Reg. No.: .....**

**Second Professional MBBS Degree Examinations February 2019**

**Microbiology - Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(10)**

1. A twenty five years old man presented with the complaints of frequent passage of profuse, painless, watery diarrhea and copious effortless vomiting for the past two days. He was severely dehydrated and his stool was rice watery with flecks of mucous. Answer the following:

- What is your diagnosis
- Name the bacteria causing this disease
- Mention the mode of transmission of this disease
- Discuss the laboratory diagnosis of this condition
- List the preventive measures to be followed to prevent this disease.(1+1+2+4+2)

**Short essay:**

**(2x5=10)**

2. Bacterial growth curve
3. Type IV hypersensitivity

**Short notes:**

**(10x2=20)**

4. Negative staining
5. BCG vaccine
6. Name four items sterilized by autoclave
7. Pathogenesis of diphtheria
8. RPR test
9. Passive immunity
10. Clostridium difficile
11. Latex agglutination test
12. Satellitism
13. Name two important non-suppurative complications of streptococcus pyogenes

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