

**Q.P. Code: 205001**

**Reg. no.: .....**

**Second Professional MBBS Degree Examinations, February 2017**

**Microbiology - Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(10)**

1. Read the following clinical history and answer the following:

A 25 years old man came to STD OPD with history of white pus discharging through urethra for the past two days. He gave history of exposure about five days back. On examination signs of urethritis were seen.

- Mention the probable diagnosis and the causative agent.
- List the specimens to be collected and how it is transported to the laboratory
- Briefly describe the laboratory diagnosis
- What are the complications
- How it is treated and add a note on its prevention

**(2+2+3+1+2=10)**

**Short essay:**

**(2x5=10)**

2. Pathogenesis and lab diagnosis of typhoid fever.
3. Active immunity.

**Short notes:**

**(10x2=20)**

4. Mutation.
5. Anaerobic culture methods.
6. Bacterial flagella.
7. Transport media.
8. Gaseous disinfectant.
9. Helicobacter pylori.
10. Weil felix test.
11. Complement fixation test.
12. Satellitism.
13. Halophilic vibrios

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