

**QP CODE: 111011**

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

**First Year Post Basic B.Sc Nursing Regular/Supplementary  
Examinations October 2019**

**Microbiology**

**(2016 Scheme)**

**Time: 3 Hours**

**Total Marks: 75**

- **Answer all questions**
- **Draw diagram wherever necessary**

**Long Essay:** (12)

1. Enumerate acid fast organisms. Describe in detail the specimen collection and laboratory diagnosis of pulmonary tuberculosis. Briefly mention the preventive measures (2+2+4+4)

**Short Essays:** (2x7=14)

2. Describe life cycle of plasmodium falciparum. Briefly explain the clinical features and laboratory diagnosis of malaria. (2+2+3)
3. Classify bacteria and describe the structure of a bacterial cell with a neat diagram. (3+4)

**Write short notes on:** (5x5=25)

4. Gram staining
5. Autoclave
6. Hospital infection control committee (HICC)
7. Bacterial spores
8. Laboratory diagnosis of enteric fever

**Answer briefly:** (4x4=16)

9. B.C.G. vaccination
10. Four opportunistic organisms in HIV-AIDS
11. Negri bodies
12. Hydatid cyst

**Differentiate between** (2x4=8)

13. Endotoxin and exotoxin
14. Diarrhea and dysentery

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