

QP CODE: 108011

Reg. No:.....

**First Year Post Basic B.Sc Nursing Supplementary Examinations
April 2018**

**Microbiology
(2010 Scheme)**

Time: 3 Hours

Total Marks: 75

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

Essay: (2x10=20)

1. Enumerate the etiologic agent responsible for causing diphtheria. Describe in detail the morphology and cultural characteristics of this bacterium. How it is diagnosed in the laboratory. (1+2+3+4)
2. Enumerate the causative agent of amoebiasis. Describe the infective form and life cycle. Describe in detail on the laboratory diagnosis of amoebiasis.

Short notes: (8x5=40)

3. Method of producing anaerobiosis in the laboratory.
4. Leptospirosis.
5. Weil-Felix test and its interpretation.
6. Gram stain.
7. Laboratory diagnosis of malaria.
8. Precipitation reaction.
9. Life cycle of bacteriophage.
10. MMR vaccine

Answer briefly: (5x3=15)

11. Bacterial growth curve.
12. Bacterial spore.
13. Define zoonosis with two examples.
14. Define hapten with an example.
15. Pasteurization.
