

Q.P. CODE: 115016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations August 2019**

**Microbiology
(2016 Scheme)**

Time: 3 Hrs

Max. Marks: 80

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2x10=20)

1. Name the moist heat methods of sterilization. Briefly discuss the working of an autoclave (4+6)
2. List the infections screened in the blood bank. Discuss the laboratory methods for screening of disease caused by any one of the blood borne viruses (4+6)

Short notes:

(6x5=30)

3. Discuss the dry methods of sterilization. What are the clinical applications of a hot air oven
4. With the help of a diagram describe the bacterial spore and its clinical application.
5. Hepatitis B virus infection
6. Falciparum malaria
7. Candida albicans
8. ELISA

Answer briefly:

(10x3=30)

9. Hypochlorites as disinfectants
10. Inspissation & its applications
11. Hepatitis E
12. Gram staining
13. Prevention of poliomyelitis
14. Life cycle of Ascaris lumbricoides
15. Diphtheria
16. Sample collection – blood for culture
17. Universal precautions
18. Tests of syphilis
