

Q.P. CODE: 115016

Reg. No: .....

**First Year B.Sc Perfusion Technology Degree Supplementary  
Examinations July 2021**

**Microbiology  
(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks: 80**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x10=20)**

1. Describe the collection and processing of samples for diagnosis of pulmonary tuberculosis. Mention the recent methods for diagnosing tuberculosis. (2+5+3)
2. What is biomedical waste. Describe the different categories of BMW and the methods of disposal. (2+5+3)

**Short notes:**

**(6x5=30)**

3. Differential staining techniques.
4. ELISA test - principle and procedure with examples.
5. Laboratory diagnosis of syphilis.
6. Prophylaxis of tetanus.
7. Methods of sterilization by dry heat.
8. Herpes viruses

**Answer briefly:**

**(10x3=30)**

9. Laboratory diagnosis of diphtheria.
10. Streptococcal infections.
11. Rapid tests for HIV.
12. Life cycle of entamoeba histolytica.
13. Aspergillus
14. Bacillary dysentery.
15. Robertson's cooked meat medium.
16. Laboratory diagnosis of hepatitis B
17. Taenia solium.
18. Pasteurization

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