

**QP CODE: 302012**

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

**Third Year B.Sc MLT Degree Examinations, September 2016**

**BACTERIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Enumerate four acid fast bacteria. Describe in detail the laboratory diagnosis of pulmonary tuberculosis. (2+8=10)
2. Name four bacteria causing diarrhea. Describe in detail the sample collection, transport, processing and antibiotic sensitivity of stool sample. (2+8=10)

**Short notes**

**(10x5=50)**

3. Laboratory diagnosis of meningitis
4. Minimum Inhibitory concentration
5. Laboratory diagnosis of diphtheria
6. Standard tests of syphilis.
7. Anthrax
8. Pneumococci
9. Laboratory diagnosis of tetanus
10. Brucellosis
11. Blood culture.
12. Leptospirosis.

**Answer briefly**

**(10x3=30)**

13. Widal test.
14. Selective media for anaerobes
15. Campylobacter jejuni.
16. Satellitism
17. Coagulase test
18. ASO test.
19. Q fever
20. Chancroid
21. Laboratory diagnosis of gonorrhoea.
22. Proteus mirabilis

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