

**B.Sc. IN MEDICAL LABORATORY TECHNOLOGY
(BMLT)**

Term-End Examination

December, 2015

BAHI-006 : MICRO-BIOLOGY

Time : 3 hours

Maximum Marks : 70

Note : *Answer any six questions. Question No. 7 is compulsory.*

1. List the organisms causing urinary tract infections. Describe morphology, cultural characteristics, antigenic structure and laboratory diagnosis of *Escherichia Coli* ? 2+6=8
2. Define Media. How do you classify media ? Describe selective media for culture of *Shigella* group of organisms. 2+2+4=8
3. Describe the basic principle and methods of antibiotic sensitivity testing. 2+6=8
4. What is the importance of gram stain ? Describe principle, procedure of gram staining. 3+5=8
5. Discuss in detail Quality Control in Microbiology. 8

6. Write briefly on **any two** of the following : 8
- (a) Dermatophyte infection.
 - (b) Bacterial growth curve.
 - (c) Culture of Virus.
7. Write short notes on **any five** of the following : 5x6=30
- (a) Gonococci.
 - (b) Special steins used in Microbiology.
 - (c) Eleck test.
 - (d) Ziehl Neelsen Staining.
 - (e) *Treponema pallidum*.
 - (f) *Meningococcus*
 - (g) *Klebsiella*
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