

M.D. DEGREE EXAMINATION**BRANCH IV – MICROBIOLOGY****PAPER IV – MYCOLOGY AND APPLIED MICROBIOLOGY AND
RECENT ADVANCES***Q.P. Code: 202017***Time: Three Hours****Maximum: 100 Marks****I. Essay:****(2 x 15 = 30)**

1. Mention the opportunistic fungal infection in AIDS. Discuss in detail about respiratory fungal infection.
2. Enumerate NABL standards. Write a brief essay on quality control in clinical microbiology.

II. Short notes:**(10 x 5 = 50)**

1. Exoantigen test.
2. Mycotoxins.
3. Wood's lamp examination in Mycology.
4. Chromoblastomycosis.
5. European Blastomycosis.
6. Immunotherapy for Cancers.
7. Nude mice.
8. Subunit Bacterial vaccines.
9. Automated methods of TB diagnosis.
10. Recent guidelines of Bio-medical waste management.

III. Reasoning Out:**(4 x 5 = 20)**

1. The clinical importance of serological dilutions in laboratory test results.
2. Hair perforation test is usually performed for Dermatophyte detection and classification.
3. *Coccidioides immitis* is a fungal infection usually not processed in primary laboratories.
4. Sterility testing standards are different in various Operation theatres.
