

PG Degree Examinations in Microbiology (MD) - May 2014

Paper II - Bacteriology and Mycology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (20)

1. Describe the morphology, cultural characteristic, pathogenicity and laboratory diagnosis of brucella.

Short essays: (8x10=80)

2. Classify dermatophytes. Mention the morphology and laboratory diagnosis of dermatophytes.
3. Define dematiaceous fungi. Explain in detail infections caused by them.
4. Name the fungi causing opportunistic systemic mycoses. Describe about penicillium marneffeii.
5. Enumerate names of halophilic vibrios. Mention the clinical infection caused by vibrio parahemolyticus and its laboratory diagnosis.
6. Classify non – sporing anaerobes. Mention in detail the morphology and laboratory diagnosis of bacteroides fragilis.
7. Describe the antigenic structure and laboratory diagnosis of gonococci.
8. Describe the human infection caused by group B streptococci and its laboratory diagnosis.
9. Describe the group III non – photochromogens of non – tuberculous mycobacteria
