

M.Sc. (Microbiology) (CBCS Pattern) Semester-IV  
**PSMBT-13 - Paper-I : Medical Microbiology and Parasitology**

P. Pages : 1

Time : Three Hours



**GUG/W/24/11408**

Max. Marks : 80

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Note : All questions are compulsory and carry equal marks.

1. Describe normal flora of human body in detail. 16  
**OR**  
Write note on following:  
a) Methods of Attenuation. 8  
b) Explain the factors responsible for virulence. 8
2. Discuss morphology, antigenic structure, pathogenesis and laboratory diagnosis of clostridium tetani. 16  
**OR**  
Describe the following:  
a) Explain the different methods for isolation and identification of pathogens from feces. 8  
b) Explain the pathogenesis of Yersinia Pestis. 8
3. Discuss the morphology cultural characters, pathogenesis and laboratory diagnosis of Candida albicans. 16  
**OR**  
Write note on:  
a) Pathogenesis of Histoplasma capsulatum. 8  
b) Sporotrichum Schenckii 8
4. Describe the life cycle and pathogenesis of plasmodium vivax. 16  
**OR**  
Write note on following:  
a) Pathogenesis of E. Histolytica. 8  
b) Laboratory diagnosis of Wuchereria bancrofti. 8
5. Write a short note on:  
a) Koch postulate 4  
b) Collection of CSF 4  
c) Morphology of Blastomyces dermatitidis. 4  
d) Pathogenesis of Schistosoma haematobium. 4

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