



## M.Sc. III Semester Degree Examination, April/May - 2024

### MICROBIOLOGY

#### DSC - 10 : Medical Microbiology

#### (NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer *any five* of the following questions with question No.1 is *Compulsory*, each question carries equal marks.

1. Describe the mechanism of disease process and its prognosis. **14**
2. Write an account on epidemiology, etiology, pathogenesis, symptoms, diagnosis and treatment of *Vibrio cholerae*. **14**
3. Explain the epidemiology, etiology, pathogenesis, symptoms, diagnosis and treatment of *Sporotrichosis*. **14**
4. Write an account on morphology, life cycle and pathogenesis of *P. vivax*. **14**
5. Describe the pathogenesis, symptoms, diagnosis and treatment of rabies. **14**
6. (a) Discuss symptoms and diagnosis of *Mycobacterium tuberculosis*. **5**  
(b) Write a note on etiology and diagnosis of chikungunya. **5**  
(c) Briefly explain the epidemiology and symptoms of pox virus. **4**
7. (a) Briefly discuss pathogenesis and symptoms of *Histoplasmosis*. **7**  
(b) Explain the morphology and the life cycle of Nematode *Wuchereria*. **7**
8. (a) Write a note on microbial portal of entry and exit. **5**  
(b) Explain briefly the diagnosis and treatment of *Candidiasis*. **5**  
(c) Write a note on life cycle of *Leishmania donovani* **4**

