



বিদ্যাসাগর বিশ্ববিদ্যালয়  
**VIDYASAGAR UNIVERSITY**  
**Question Paper**

**B.Sc. Honours Examinations 2022**

(Under CBCS Pattern)

**Semester - VI**

**Subject : MICROBIOLOGY**

**Paper : C 13-T**

**Medical Microbiology**

**Full Marks : 40**

**Time : 2 Hours**

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

1. Answer any *four* of the following questions : 5×4=20
- (a) How pathogen spread through host tissue? State the role of adhesin molecules during interaction of pathogen with the host? 3+2
- (b) What is the causal organism of different types of malaria? How can malaria be prevented? 2+3
- (c) State the pathophysiology of *Candida albicans*. 5
- (d) Discuss advantages and disadvantages of resident flora. 2½+2½
- (e) How do you control nosocomial infection? 5
- (f) Name the normal flora present in skin and gastrointestinal tract. 2½+2½

2. Answer any *two* of the following questions :

10×2=20

- (a) Write down the mode of transmission, prophylaxis, and control of *Mycobacterium tuberculosis* infection. 3+3+4
- (b) Define antibiotics. Name two cell wall synthesis inhibitor antibiotics. How do the bacteria acquire the resistance against antibiotics? 2+2+6
- (c) How do you collect and transport a viral sample? Discuss different types of ELISA, with suitable diagrams. 4+6
- (d) Typhoid fever is caused by which bacteria? What are the symptoms of Typhoid fever? What are the causes of Typhoid fever? What are the common ways by which we can prevent Typhoid? 1+3+3+3
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