

MICROBIOLOGY

Time: Three Hours

Maximum Marks: 80

Attempt any FIVE questions.

(All questions carry equal marks.)

Q. 1. Describe the life cycle morphology, pathogenicity and lab diagnosis of malaria. 16

Q. 2. Define the following: 8x2=16

1. Bacterial spore
2. Immunity
3. Anaerobes
4. Types of cocci bacteria
5. Asepsis
6. Cold chain
7. Antigen
8. Disinfection

Q. 3.

1. Define agglutination reactions.
 2. Write name of various antigen antibody reactions.
 3. Describe the principles and applications of agglutination reactions.
- <https://www.ruhsonline.com>

Q. 4. Discuss briefly: 4x4=16

1. Autoclave
 2. Role of infection control nurse in tertiary care hospital.
- <https://www.ruhsonline.com>

Q. 5. Discuss briefly (Any four): 4x4=16

1. Colour coding for segregation of biomedical waste.
2. Rodents and vectors.
3. ELISA test.
4. Opportunistic fungi
5. Principles of microbiology

Q. 6. Discuss briefly (Any four): 4x4=16

1. Ziehl-Neelsen (Acid fast staining).
2. Bacterial growth curve.
3. Candida albicans.
4. IgM.
5. Koch's postulates