

**FELLOWSHIP IN INFECTION CONTROL & ANTIMICROBIAL STEWARDSHIP
FELLOWSHIP IN INFECTION CONTROL & ANTIMICROBIAL STEWARDSHIP : SUMMER
: 2022**

SUBJECT: PAPER-I

**Day : Wednesday
Date 27-Apr-2022**

S-25083-2022

**Time : 10:00 AM-01:00 PM
Max. Marks: 100**

N. B.:

- 1) Attempt all questions.
 - 2) All questions carry **10** marks each.
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- Q.1** Discuss the importance of the human microbiome in health and disease.
- Q.2** Name the intestinal nematodes and mention their habitat and mode of infection. Describe the life cycle of strongyloides stercoralis.
- Q.3** Mention the causative agent, the mode of transmission, laboratory diagnosis and treatment of toxoplasmosis.
- Q.4** Define CAMRSA and HAMRSA. Name the characteristics features of and clinical implication of infections by CAMRSA.
- Q.5** Define antiseptics and disinfectants. Enumerate the 'sterilizing' disinfectants used in hospital practice. Enumerate the factors that affect efficacy of disinfection.
- Q.6** Describe the Laboratory diagnosis of Pulmonary tuberculosis.
- Q.7** Enumerate the organisms causing infective endocarditis and the methods of sample collection for blood collection for detection of causative organism this condition.
- Q.8** Enumerate fungi causing opportunistic infection and discuss the methods for laboratory diagnosis of fungal infections.
- Q.9** Describe the principles of
- a) Automated blood culture system
 - b) Automated identification and antimicrobial susceptibility testing system
 - c) MALDI-TOF
- Q.10** Describe methods to test efficacy of physical methods of sterilization.

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