

FELLOWSHIP IN CLINICAL MICROBIOLOGY: Winter-2021
SUBJECT : PAPER – II : RECENT ADVANCES, HOSPITAL INFECTIONS,
IMMUNOLOGY, SEROLOGY, ANTIBIOTICS, QUALITY CONTROL AND
INFECTION CONTROL

Day : Monday
Date : 25-10-2021

Time : 02:00 PM-05:00 PM
Max. Marks : 100

W-20529-2021

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.

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- Q.1** Describe the Biomedical waste segregations codes and the role that the infection control team plays in ensuring BMW segregation. **(10)**
 - Q.2** What are monoclonal antibodies? Write about the production, types and applications of monoclonal antibodies. **(10)**
 - Q.3** Write about catheter associated UTI and its prevention bundle. **(10)**
 - Q.4** Describe re-emerging fungal infections and the challenges in their diagnosis and treatment. Add a note on fungal vaccines. **(10)**
 - Q.5** What are Beta lactamases? How are they classified? Write about methods used for their detection. **(10)**
 - Q.6** What is the role of the CSSD in a hospital? What is the role of a microbiologist in CSSD? **(10)**
 - Q.7** What do you mean by Quality Control and Quality Assurance? How will you apply these in relation to antimicrobial susceptibility testing? **(10)**
 - Q.8** Describe the principle and applications of flow cytometer **(10)**
 - Q.9** Explain the importance of antimicrobial stewardship and the steps to roll out the program in a hospital. **(10)**
 - Q.10** Describe the steps to be followed in management of an outbreak. **(10)**
