

**U.G. 2nd Semester Examination - 2021**

**MICROBIOLOGY**

**[HONOURS]**

**Course Code : MB-H-CC-P-03**

**(Fundamental Cell Biology)**

**[PRACTICAL]**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*

Answer any **two** of the following questions: 10×2=20

1. Design an experiment to show the different stages of mitotic cell division.
  2. Write the principle and procedure of staining of DNA with Feulgen reaction.
  3. Design an experiment to demonstrate the different stages of meiotic cell division.
  4. Write the characteristic features of the following:
    - i) Normal and cancer cell in electron micrograph.
    - ii) Any two cell organelles under electron microscope.
-