

4.20-5.00

RAMANANDA COLLEGE  
BISHNUPUR, BANKURA  
DEPARTMENT OF PHYSIOLOGY  
B. Sc. 4<sup>th</sup> Semester (Hons.) GE-4 Internal Assessment-2022

Course Code: SH/PHY/404/GE-4  
Paper Code: 42514

F.M: 10

Course Title: Biotechnology  
Time: 45 Min

Answer any two questions from the following:

5 X 2 = 10

- a) What do you mean by cloning? Describe importance of cloning. 2+3 = 5
- b) What is gene therapy? Describe the importance of monoclonal antibody. 1+4 = 5
- c) What do you mean by DNA fingerprinting? Describe the application of DNA fingerprinting in forensic science. 2+3 = 5
- d) What is Real Time PCR (RT-PCR)? Describe the application of PCR. 2+3 = 5