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VI Semester B.Sc. Degree (CBCSS – OBE – Regular) Examination, April 2022 (2019 Admission) CORE COURSE IN ZOOLOGY 6B09 ZLG: Cell Biology, Immunology and Microbiology Time: 3 Hours  Max. Marks: 40  I. Essay questions (Each question carries 8 marks). Answer any two. (8x2=16)  1) Write In detail about Giant Chromosomes. 2) Describe the classification of Bacteria. 3) Explain the structure, polymorphism and functions of lysosomes. 4) Write an essay on antigen-antibody reactions. III. Short essay questions (Each question carries 4 marks). Answer any two. (4x2=8) 5) Write a note on cytoskeleton. 6) Describe the fluid mosaic model of plasma membrane. 7) Explain the structure and functions of antibody. III. Short answer questions (Each question carries 2 marks). Answer any six. (2x6=12)  8) Distinguish between heterochromatin and euchromatin. 9) State the cell theory. 10) What is metastasis? 11) Comment on electron transport chain. 12) Give a note on acquired immunity. 13) Write the symptoms of chicken pox. 14) Comment on synaptonemal complex. 15) What is ELISA?  P.T.O.  K22U 0443  IV. Multiple choice questions (Each question carries 0.5 marks). Answer all. (0.5x8=4) 16) Type IV hypersensitivity is often referred to as a) Immediate b) Delayed c) Anaphylatic d) Anergic 17) Sodium and potassium pumps are examples of a) Plasmolysis b) Passive transport d) Demonstration of Demonstration of the complex of th		
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a) Lactobacillus b) Trichoderma

c) Chlorella

d) Anabaena