



EXAMINATION MATERIAL ZUEB - 2022

BOTANY XI (PRE- MEDICAL)

SECTION "C" Extended Response Questions (ERQ)

CHAPTER 1 THE CELL	<u>Question no.01.</u> With the help of Fluid Mosaic Model write the structure, properties and function of the plasma membrane. (Diagram is required)
CHAPTER 2 VARIETY OF LIFE	<u>Question no.01:</u> Write cause, symptoms and control of Polio and hepatitis. <u>Question no.02:</u> Describe the life cycle of bacteriophage virus in which lysis take place? (Diagram is required)
CHAPTER 3 THE KINGDOM PROKARYOTAE (MONERA)	<u>Question no.01:</u> Explain about genetic recombination in bacteria with its methods.
CHAPTER 4 THE KINGDOM PROTISTA (PROTOCTISTA)	<u>Question no.01:</u> Describe the structure and reproduction in Ulva with reference to Isomorphic alteration of generation.
CHAPTER 5 THE KINGDOM FUNGI	<u>Question no.01:</u> Draw and describe the life cycle of Basidiomycota with diagram. <u>Question no.02:</u> Draw and describe the life cycle of Zygomycota fungi. <u>Question no.03:</u> Write economic importance of Fungai.
CHAPTER 6 THE KINGDOM PLANTAE	<u>Question no.01.</u> Draw and describe the life cycle of fern. <u>Question no.02.</u> Describe floral characters and economic importance of family Rosaceae OR Fabaceae. (Diagram is not required)

CHAPTER 7 BIOENERGETICS	<p><u>Question no.01.</u> Described in detail the light independent reaction of photosynthesis (C3 CYCLE)</p> <p><u>Question no.02.</u> Describe in detail the process of anaerobic degradation of glucose into pyruvic acid.</p> <p><u>Question no.03.</u> Explain phenomena of Photosynthesis. Describe light reaction.</p>
CHAPTER 8 TRANSPORT	<p><u>Question no.01.</u> Describe the structure and mechanism of opening and closing of Stomata.</p>

