

EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE -2005/2006
EXTERNAL DEGREE

23 AUG 2013



EXTZL 101- CELL BIOLOGY

Time: 02 hours

Answer all questions.

(Illustrate your answer with clear labeled diagrams where necessary only)

1. a). Name three major organelles in an animal cell and describe them briefly.
b) "Protein is the structural and functional molecule in a living animal cell".
Comment on this statement briefly based on its configuration.

2. Define the term "Metabolism" and describe the fate of glucose molecule during metabolism.

3. a) Name two major steps in Protein synthesis and comment on them briefly.
b). Write the role of trans membrane proteins in molecules transport across the membrane.

4. Write notes on the following:
 - a) Cell cycle
 - b) Enzyme specificity
 - c) Animal carbohydrate

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