

EASTERN UNIVERSITY SRILANKA
THIRD YEAR SECOND SEMESTER EXAMINATION IN SCIENCE 2020/2021
(JUN/JUL 2024)
ZL 3091 DEVELOPMENTAL BIOLOGY

Time: 01 hour.

Answer all questions.

(Write your answer with clear illustrations/diagrams wherever necessary)

1. In sexual reproduction, after fertilization zygote undergoes cleavage.
 - a). What is meant by cleavage pattern? (10 marks)
 - b). List different cleavage patterns in different organisms. (10 marks)
 - c). Discuss in detail holoblastic cleavage in sea urchin. (80 marks)

2. Comment on **any two** of the following:
 - a). Parkinson's disease; (50 marks)
 - b). Zona hatching and implantation of human embryo; (50 marks)
 - c). Neurulation in amphibia. (50 marks)

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