

a) Define totipotency?

b) Discuss concisely the applications of plant tissue culture.

a) Outlined the types of plant tissue culture techniques.

b) Explain the factors that affect the success of plant tissue culture.

a) List the four stages involve in plant tissue culture technique.

b) Write comprehensively on the importance of "macro" and "micro" elements in plant development.

a) In a tabular form, list four vitamins that are required for plant growth and development.

b) How can tissue culture be used to propagate virus free plants?

Write extensively on organogenesis and embryogenesis.

a) List five plant hormones you know and outline their action(s) in plants?

b) Outline the procedures for protoplast isolation from plant cells.



**ELIZADE UNIVERSITY,
ILARA-MOKIN, NIGERIA**

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2018/2019 ACADEMIC SESSION

COURSE CODE: EMT 507

COURSE TITLE: ENVIRONMENTAL LAW

DURATION: 2 HOURS

HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTIONS Question one (1) is compulsory. Answer three (3) questions in all