

Reg. No.

--	--	--	--	--	--	--	--	--	--



ESS 405

**First Semester M.Sc. Degree
Examination, December 2018/January 2019
Theory
(CBCS)
ENVIRONMENTAL SCIENCE
Environmental Biotechnology**

Time : 3 Hours

Max. Marks : 70

Instruction : Answer ***all*** the Sections and draw neat sketches wherever necessary.

PART – A

- I. Write short notes on **any four** of the following (**not** exceeding **2** pages each). **(4×4 = 16)**
- 1) Convention on Biological Diversity (CBD).
 - 2) Biochips.
 - 3) Semisolid sludge.
 - 4) Vermiculture.
 - 5) GMOs.
 - 6) Biomagnification.

PART – B

- II. Write explanatory notes on **any five** of the following (**not** exceeding **3** pages **each**). **(5×6 = 30)**
- 7) Fossil fuels.
 - 8) Renewable Energy sources.

P.T.O.



- 9) Genetic Engineering approaches to Environmental Management.
- 10) Microbial degradation of organic waste.
- 11) Causes of Biodiversity loss.
- 12) Biosphere Reserves.
- 13) Biofilters.

PART – C

III. Answer **any two** of the following (**not** exceeding **8** pages **each**) (2×12 = 24)

- 14) Role of Biotechnology in Energy production and Management.
 - 15) Technology for environmental monitoring with special reference to prevention and detection.
 - 16) Biofertilizers – importance and classification.
-