



RAN-1242

B.Sc. (Semester-VI) Environmental Science - XXI Examination

March / April - 2019

Env: 605 - ENVIRONMENTAL BIOTECHNOLGOY

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

1.

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B.Sc. (Semester-VI) Environmental Science - XXI

Name of the Subject :

Env: 605 - ENVIRONMENTAL BIOTECHNOLGOY

Subject Code No.: 1 2 4 2

Seat No.:

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Student's Signature

2. Figures to the right indicate full marks.
3. Draw neat and labeled diagrams wherever necessary.

Que.1 Give specific answer for the each of the following:

[12]

1. Give four examples of organisms involved in plastic degradation.
2. How organisms are helpful in removal of contamination from waste water?
3. Give use and advantages of bioleaching.
4. What are biodegradable plastic? Give its types.
5. Genetically engineered microorganisms have problem solving approach, justify.
6. Which methods are used for detection of environmental pollution? Explain any one.

Que.2 Comment on / Justify/Answer any two of the following: [12]

1. What is Microbial Fuel Cell? Give its application.
2. Define & explain Bioquenching. Explain bioquenching of toxic metal in short.
3. Genetic engineering is applicable in Bioremediation.

Que.3 Attempt any two of the following: [16]

1. Write an essay on Bioleaching.
2. Give detail idea on Phytoremediation.
3. Give brief account on Genetic engineering.

Que.4 Write short notes on any two of the following: [10]

1. Application of Environmental nanotechnology
 2. Factors influencing phytoremediation
 3. Biodegradation
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