



AC-1846

**M. Sc. (Environmental Science) (Sem. - II)
Examination**

April / May – 2015

**ENS - 202 : Biotechnology & Environmental
Health Safety (Old Course)**

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य बपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
M. Sc. (Environmental Science) (Sem. - II)	<input type="text"/>
Name of the Subject :	<input type="text"/>
ENS - 202 : Biotech. & Environ. Health Safety (Old)	<input type="text"/>
Subject Code No. : <input type="text"/> 1 <input type="text"/> 8 <input type="text"/> 4 <input type="text"/> 6	<input type="text"/>
Section No. (1, 2,.....): <input type="text"/> Nil	
Student's Signature	

(2) The figures to the right indicate full mark of the question.

(3) Draw neat and labelled diagrams wherever necessary.

.1: Answer the following (Attempt **Any Three**). (18)

- Elaborate role of biodiversity with its types.
- Why need conservation of species? How biotechnology helps?
- Define and discuss the rare and endangered species of India.
- Describe red data book and IUCN.

.2: Answer the following (Attempt **Any Three**). (18)

- Explain the biodeterioration of any three valuable materials.
- Discuss the biosynthesis and production of biopolymers.
- Discuss the various biodegradation of hydrocarbons.
- How viruses controls the insects.

.3: Answer the following (Attempt **Any Three**). (18)

- Discuss the occupational health with its objectives in safety and environment.
- Explain in detail Risk identification, allocation and mitigation strategy in detail.
- What is dose-response of toxicants? How it is studied?
- Describe procedure and application of ISO 18000 certification.

.4: Write short notes (Attempt **Any Two**) (16)

- Discuss in detail polio eradication program in India.
- Briefly explain the various methods to lessen the occupational risk.
- Explain the role of WHO, UNICEF and UNESCO to protect the public health.