

AC-1367

M. Sc. (Sem. II) (Environmental Science) Examination April/May - 2015

ENS - 202 : Biotechnology & Environmental Health Safety

Time: 3 Hours]	[Total Marks: 70
Instructions:	
(1)	
નીચે દર્શાવેલ 🕳 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.	∕ Seat No. :
Fillup strictly the details of 👉 signs on your answer book.	
Name of the Examination :	_┧ ┃──┴──┴──┴──┴──┴
M. SC. (SEM. II) (ENVIRONMENTAL SCIENCE)	
Name of the Subject :	_
ENS - 202 : BIOTE. & ENVIR. HEALTH SAFETY	
Subject Code No. : 1 3 6 7 Section No. (1, 2,) : Nil	Student's Signature
(2) The figures to the right indicate full mar	k of the question.
(3) Draw neat and labeled diagrams wherever	r necessary.
 Q-1: Answer the following(Attempt Any Three). 1. Describe the different types of biodiversity and its ecole 2. Enlist and explain the various reasons of biodiversity log 3. Discuss the role and function of IUCN and Red data bo 4. Define the PGPB. Discuss the role and importance of p 	ss in current era. ok.
Q-2: Answer the following (Attempt Any Three). A. Define and discuss the variousentomopethic fungi with	its limitation
B. Discuss the mechanisms of pesticide degradation	its illitation.
C. Explain the degradation of lignin by fungi.	
D. What do you mean by bioleaching? How the process of	bioleaching is carried out?
Q-3: Answer the following (Attempt Any Three).	(18)
A. Define and discuss the process of biodegradation, bioremed	
B. Describe the production and application of biosurfactant.	
C. Explain the microbial mediated deterioration of petroleum	and leather.
D. How the toxicants are eliminated from organisms?	
Q-4: Write short notes (Attempt Any Two)	(16)
A. Describe the risk identification, allocation and mitigation	
B How ISO 18000 is successful for occupational health a	nd safety management systems

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D. Explain the correlation among safety, health and environment.

C. Write a note on factories act.