Q1. Discuss the characteristics of the following sphere of environment:
   a. Lithosphere
   b. Biosphere
   c. Hydrosphere
   d. Atmosphere

Q2. What do you understand by environmental sustainability?

Q3. Explain in detail the characteristics of stratosphere.

Q4. Write short notes on any two of the following:
   a. Biodiversity losses
   b. Wetlands
   c. Ecosystem degradation
   d. Species conservation

Q5. Comment on environmental ethics. How culture, education and religions belief helps the controlling environmental pollution?

Q6. Discuss any two of the following:
   a. Aquatic environment
   b. Terrestrial environment
   c. Biomes

Q7. Discuss mangroves ecosystem? What are the ecological services provided by mangroves ecosystem?
Instructions: Attempt any FIVE questions. All questions carry equal marks.

Q. 1  a) What do you understand by Renewable and Non-renewable Resources? What will happen if we exhaust all our non-renewable resources? Discuss. 

Q. 2  a) What is Biodiversity? Describe the factors that are responsible for Biodiversity Losses. 

Q. 3  a) What is Pollution? Describe the sources and causes of pollution. 

Q. 4  a) Describe the following basic components of the environment: 
   i) Lithosphere 
   ii) Biosphere 

b) What are Wetlands? Enlist types and categories of Wetlands. Why Wetlands are not being conserved properly? Explain.

Q. 5  a) Describe Environmental Ethics. What are the major environmental issues which humanity faces today? Explain. 

b) Explain the concept of Sustainable Development. Why the current pattern of development which mankind has been following is considered un-sustainable. Discuss.

Q. 6  a) Discuss the conflict between development and environmental conservation. 

b) Describe the effects of pollution on: 
   i) Ecosystem 
   ii) Human health 

Q. 7  Write short notes on the following: 
   i) Lithosphere 
   ii) Biosphere 
   iii) Species preservation 
   iv) Biomes 

END
KARACHI UNIVERSITY BUSINESS SCHOOL
UNIVERSITY OF KARACHI
FINAL EXAMINATION OF AFFILIATED COLLEGES
ENVIRONMENTAL STUDIES BA(H)-521
BS-V

Instruction: Attempt all questions
Max Marks: 80
Max Time: 3 Hrs
(5 Marks)

Q1: Define the following terms.
(a) Biomes   (b) Habitat   (c) Troposphere   (d) Ecology   (e) Productivity

Q2: Enlist differences (at least 2) between the following:
(a) Aquatic and Marine environment
(b) Land Ecosystem and water ecosystem
(c) Species Preservation and species conservation
(d) Lithosphere and Biosphere
(e) Community and population

(10 Marks)

Q3: Identify two different forms of global pollution and describe how each may harm the local environment?

(05 Marks)

Q4: Define Biomes and its types?

(05 Marks)

Q5: a) Discuss global environmental conflicts?

(05 Marks)

b) What are the causes of global environmental crises?

(05 Marks)

Q6: a) How are natural resources depleted and why is the depletion of resource a global concern?

(05 Marks)

b) What is the impact of human activity on the natural environment?

(05 Marks)

Q7: Explain in detail the characteristics of stratosphere?

(05 Marks)

Q8: Describe how nutrients are recycled in an ecosystem?

(05 Marks)

Q9: Define Biodiversity? Where on land it is greatest? Why is biodiversity reduced by clearance of natural vegetation for farming?

(05 Marks)