

UNIVERSITI SAINS MALAYSIA

Second Semester Examinations
Academic Session 2000/2001

February/March 2001

BSF 102/4 - Man and the Environment

Time : [3 hrs.]

This question paper has 3 pages (6 questions).

Answer FIVE out of SIX questions.

Each questions carries 20 marks.

[BSF 102/4]

1. (a) Define what is meant by a population and explain the important factors that produce population change.
(10 marks)
- (b) Define population density and dispersion, and describe the main types of population dispersion.
(10 marks)

2. (a) Distinguish between *K* strategies and *r* strategies.
(5 marks)
- (b) Discuss the limiting factors that inhibit population growth.
(15 marks)

3. Discuss ONE of the following:-
 - (a) Biogeochemical processes
 - (b) Aquatic life zones
 - (c) Biomes(20 marks)

[BSF 102/4]

4. (a) What is the 'Ozone Hole' and how is it formed? Explain with the help of diagrams.

(16 marks)

- (b) What are the effects of the 'Ozone Hole'?

(4 markah)

5. (a) Define environmental pollution. Giving examples, describe 3 types of aquatic pollution.

(10 marks)

- (b) What is acid rain? Giving examples, explain how acid rain can affect aquatic organisms and forest trees.

(10 marks)

6. (a) "The Tropical Rain Forest is one of the richest ecosystems in the world in terms of biodiversity". Give evidence to support this statement and put forward reasons that can help explain this high biodiversity.

(10 marks)

- (b) Do you think that the Tropical Rain Forest should be conserved? Give reasons to support your views.

(10 marks)