POST GRADUATE DIPLOMA IN ENVIRONMENT AND SUSTAINABLE DEVELOPMENT (PGDESD)

Term-End Examination

December, 2016

01947

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 hours *Maximum Marks : 50*

Note : *Attempt **all** questions. The marks for each question are indicated against it.*

1. Give brief answers to the following questions : *5×2=10*

   (a) What is greenhouse effect ? Name two agricultural sources of methane emission.

   (b) How does monoculture farming system lead to loss of biodiversity ?

   (c) What are biopesticides ? Name any two biopesticides.

   (d) How will you integrate aquaculture and poultry in alternative agriculture ?

   (e) What is an ecological region ? Name any two agro-ecological regions.

2. Distinguish between any *two* of the following : *2×5=10*

(a) Renewable and Non-renewable energy sources

(b) Mechanical pest control and Physical pest control

(c) Composting and Vermicomposting

3. Attempt any *two* parts : *2×5=10*

(a) What is an agro-ecosystem ? Discuss the important types of agro-ecosystems.

(b) How do modern agricultural practices degrade the environment ?

(c) What is post-harvest technology ? Discuss the major causes of loss of perishable agricultural produce.

4. (a) What is biotechnology ? Describe any four applications of biotechnology in agriculture. *5*

(b) Define a farming system. Briefly discuss the advantages of integrated farming systems. *5*

5. Write short notes on any *two* of the following : *2×5=10*

(a) Ozone Hole

(b) Biofertilizers

(c) Watershed Management : Challenges and Opportunities