

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Agricultural Sciences)

WARNING

- 1. PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
- 2. SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Natural Resource Management (1796)

Semester: Autumn, 2012

Level: M.Sc. (Hons) Rural Development

Total Marks: 100

Pass Marks: 50

ASSIGNMENT No. 1

Note: All questions carry equal marks.

- Q. 1 a) How did the early and advanced hunter gatherer societies affect the environment, what was their relationship to nature?
- b) Do you think we would be better off if agriculture had never been discovered and we were still hunters and gatherers today? Explain. (20)
- Q. 2 What are the major resource and environmental problems in
- a) the city, town, or rural area where you live and
- b) the state where you live? Which of these problems affect you directly? (20)
- Q. 3 a) What are the principal structural and chemical components of earth?
- b) How does the rock cycle recycle earth materials and concentrate resources? (20)
- Q. 4 What are the principal causes of tropical deforestation and fuel wood shortages? (20)
- Q. 5 a) How can we reduce erosion and nutrient depletion in top soil?
- b) What are the main advantages and disadvantages of using commercial inorganic fertilizers to help restore and maintain soil fertility? Why should organic fertilizers also be used on land treated with inorganic fertilizers? (20)

ASSIGNMENT No. 2

Total Marks: 100

Pass Marks: 50

Note: All questions carry equal marks.

- Q. 1 a) What are the world's food problems?
b) Can increasing crop yields and cultivating more land solve the world's food problems? **(20)**
- Q. 2 What are the biggest advantages and disadvantages of
a) Labor intensive subsistence agriculture
b) Energy intensive industrialized agriculture and
c) Sustainable earth agriculture? **(20)**
- Q. 3 a) How do human activities increase the harmful effects of prolonged drought?
How can those effects be reduced?
b) How do human activities contribute to flooding? How can those effects be reduced? **(20)**
- Q. 4 Write a detailed account on "Land resources: forests, rangelands and parks". **(20)**
- Q. 5 a) How can we evaluate present and future energy alternatives?
b) What are the advantages and disadvantages of improving energy efficiency to reduce unnecessary energy wastes? **(20)**

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